

Falk Navigator User Manual





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1	INTRODUCTION	5
1.1	ABOUT THIS MANUAL	5
1.2	SAFETY NOTICES & MAINTENANCE - DECLARATION OF CONFORMITY	6
1.3	UPDATING OF MAPS AND SOFTWARE (CONTENT MANAGER)	10
1.3.1	<i>Content Manager</i>	10
1.4	DEVICE DESCRIPTION	12
1.4.1	<i>Memory card slot</i>	13
1.4.2	<i>Card data:</i>	13
1.4.3	<i>Technical data</i>	14
1.5	SERVICE & SUPPORT	15
2	NAVIGATION	16
2.1	ENTERING A DESTINATION	21
2.1.1	<i>Destination entry by entering an address</i>	22
2.1.2	<i>Entering a destination by selecting the home address ("Home")</i>	25
2.1.3	<i>Entering a destination by selecting one of the most recent destinations</i>	25
2.1.4	<i>Entering a destination by selecting a point of interest (POI)</i>	25
2.1.5	<i>Entering a destination using Route planning</i>	27
2.1.6	<i>Entering a destination as an interim destination</i>	29
2.1.7	<i>Entering a destination by selecting self-defined destinations ("My favourites")</i>	29
2.1.8	<i>Travel Guide</i>	30
2.1.9	<i>Position on map</i>	30
2.1.10	<i>Coordinates</i>	30
2.1.11	<i>Active route</i>	31
2.1.12	<i>Supplementary functions for mobile homes (selected models)</i>	32
2.2	EXTRAS	33
2.2.1	<i>Travel Guide</i>	33
2.2.2	<i>"Where-am-I" function</i>	33
2.2.3	<i>Block road (optional!)</i>	34
2.2.4	<i>Country information</i>	35
3	NAVIGATION SETTINGS	36
3.1	MAP VIEW	36
3.2	ROUTE OVERVIEW	36
3.3	GUIDANCE INFO	37
3.4	ROUTE OPTIONS	37
3.4.1	<i>Vehicle</i>	38
3.4.2	<i>Camper vehicles (depending on model)</i>	38
3.4.2	<i>Route type</i>	39
3.4.3	<i>Avoid</i>	39
3.5	TMC (MODEL DEPENDENT)	40
3.6	VOICE GUIDANCE	40
3.7	WARNINGS	41
3.7.1	<i>Speed info</i>	41

3.7.2	Speed camera detector	41
3.7.3	Environmental zones	41
3.8	BLOCKED ROADS	42
3.9	FORMAT	42
3.10	TIME	42
3.11	RESET	42
4	SYSTEM SETTINGS 	43
4.1	BATTERY	43
4.2	AUTOMATIC ON/OFF	43
4.3	DAY/NIGHT	43
4.4	BRIGHTNESS	43
4.5	HOME	44
4.6	LANGUAGE	44
4.7	KEYBOARD LAYOUT	44
4.8	TONES	44
4.9	FACTORY RESET	44
4.10	INFORMATION	44
4.11	CALIBRATION (MODEL DEPENDENT)	44
5	TRAVEL GUIDE (MODEL DEPENDENT) 	45
5.1	ESTABLISHING A CENTRAL SEARCH POINT	45
5.2	TRAVEL GUIDE THEME CATEGORY	46
5.2.1	Highlights 	47
5.2.2	Worth seeing 	47
5.2.3	Museums 	48
5.2.4	Food and Drink 	48
5.2.5	Shopping 	49
5.2.6	Overnight Accommodation 	49
5.2.7	In the Evening 	50
5.2.8	Exhibitions & Transport 	51
5.2.9	Art & Culture 	51
5.2.9	Cultural Centres 	52
5.2.10	All Categories 	52
5.3	DETAILED VIEW OF A POINT OF INTEREST	53
6	APPENDIX	54
6.1	GLOSSARY	54
6.2	TROUBLESHOOTING	56
6.3	LICENCE TERMS AND CONDITIONS FOR FALK NAVIGATOR AND NAVI MANAGER	58
7	INDEX	64



1 Introduction

Congratulations on your purchase of a navigation device with the new Falk Navigator!

The Falk Navigator you have purchased is a product that was developed and tested with the greatest of care. Therefore, it meets the highest functionality and operating requirements.

Should you have any suggestions or comments that would allow us to make our products even better, we would be glad to hear from you.

With the Falk Navigator manual you will get to know the extensive functions of your navigation device. Furthermore, problems that might possibly be caused due to operating errors can be prevented by reading this manual.

We wish you lots of enjoyment, a good trip, and safe arrival with your mobile Falk navigator.

1.1 About this Manual

The functions of your Falk navigation software are described in detail in the following chapters of this manual. Some chapters are devoted to functions or optional accessories that are only applicable to certain products of the Falk product range. These are indicated by the note "**optional**".

For information on the exact functions and accessories included in the scope of delivery of your product please refer to the product description of the sales packaging.

To make it easier for you to read and understand this manual, the following terms will be used:

Bold: Important content-related text sections or terms used in the navigator program interface in the form of labels for the corresponding icons.

Note: References that point out important information will be made in many sections, which must be followed scrupulously.

Tip: Tips are information for ensuring easy handling or for solving problems.

Note: The screens used in this document show all of the options available in the Falk Navigator. In the case of products which do not feature all of the functions, these functions are not displayed on the navigation screen or in the menu either. For this reason, the screens used in the document may differ from those in your navigation system.

In principle, the screens represented in the manual may differ from those in your navigation system.

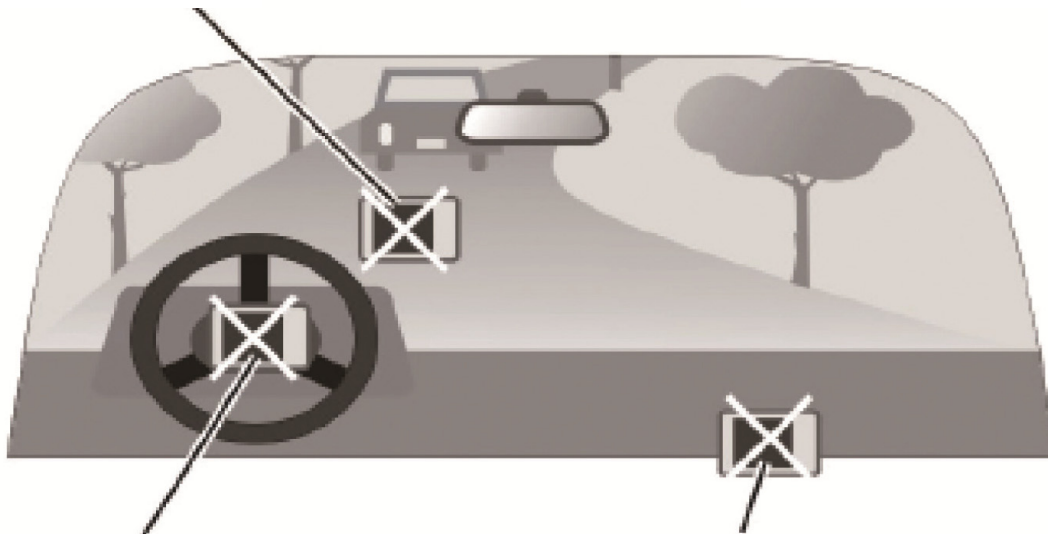
1.2 Safety Notices & Maintenance - Declaration of Conformity

Please read this chapter carefully and follow all instructions listed. This will ensure reliable operation and a long service life of your device.

- Please carry out the required settings and enter the desired destination before setting out on your journey. Never operate your navigation device while driving, since this could distract you from the traffic situation and cause an accident.
- Road traffic regulations always take precedence over the instructions provided by the Falk Navigator. Should this require you to leave the route suggested by your navigation device, the Falk Navigator will recalculate the possibilities and lead you to your destination along an alternative route.
- Do not follow the display of your device during the journey for extended periods of time.
- Always attach your Falk navigation device in your vehicle using the mounting bracket recommended for this purpose in order to ensure that even in a critical driving situation, such as emergency braking, the device does not pose any hazard to the vehicle or any of the passengers in the vehicle. Ensure that the effectiveness of passive vehicle safety systems such as airbags cannot be impaired by the installation of the device.

Do not attach in a location in which the driver's field of vision is restricted

Do not set down on the instrument panel unattached



Do not use on airbag covers

Do not attach where airbags are located



Operational environment

Outside influences:

- Do not place anything on top of the navigation device or drop objects onto it.
- Do not drop your device or subject it to any shocks and strong vibrations.
- Do not keep or carry any inflammable liquids, gasses or explosive substances in the same compartment as your device, its parts or accessories.
- Wireless devices could disturb the reception of GPS signals and cause unstable signal reception.

GPS

GPS is operated and controlled solely by the government of the United States of America, which is also responsible for the availability and precision of this system. Therefore, United Navigation GmbH cannot assume any responsibility for GPS availability and accuracy.

GPS satellite signals do not penetrate any solid materials (except for glass). For this reason, GPS positioning is not possible in buildings.

At least four GPS satellite signals are needed to determine the current GPS position. Signal reception can be impaired by bad weather or thick obstructions above the ground (such as trees and tall buildings).

Temperature

When leaving your vehicle, do not leave your device in the vehicle where it could be exposed to sunlight. Overheating of the battery can cause malfunctions and/or hazardous incidents.

The device may only be stored at temperatures of -20 °C to +60 °C or operated at temperatures from -10 °C to +60 °C.

Keep your device away from strong humidity and extreme temperatures. The device should only be operated and stored at a humidity of 0% to 90%.

Do not expose your device to sudden, extreme changes in temperature. This could result in the accumulation of condensation in the device thereby causing damage. If condensation does form in the device, wait until it has dried out completely.

Power supply unit (optional)

Please use original Falk accessories only. Other types of power supply units could cause malfunctions and/or serious damage and invalidate the liability of United Navigation for any resulting consequences.

Do not use the power supply unit in damp environments. Never touch the power supply unit when your hands or feet are wet.

Ensure adequate ventilation around the power supply unit when using it for operating the device or when charging the battery. Do not cover the power supply unit. Do not use the power supply unit when it is in a carrying bag.

Connect the power supply unit to a suitable current source. The voltage specifications can be found on the product housing.

Do not use the power supply unit if its mains power line is damaged. Never force a plug into a connection.

Battery

Only use the original battery and the original in-car battery charger supplied. The use of other parts can lead to malfunctions and/or serious damage and invalidate the liability of United Navigation GmbH for any resulting consequences.

This product works with a lithium ion battery. Do not use it in a damp, wet and/or corrosive environment. You must not place, store or leave your product in or near sources of heat, in locations with high temperatures or in strong sunlight, in a microwave oven or pressure vessel, nor expose it to any temperatures above 60 °C (140 °F). If you do not follow these guidelines, this might cause acid to leak out of the lithium ion battery, cause it to become hot, explode or ignite and cause injuries and/or damage. You must not pierce, open or dismantle the battery. If acid leaks out and you come into contact with the leaked liquids, rinse off the contact points thoroughly with water and consult a doctor immediately. For reasons of safety and for prolonging the battery life, it does not recharge at low (below 0 °C/32 °F) or high (above 45 °C/110 °F) temperatures.

Disposal

The icon on the product or its packaging indicates that this product must not be treated as normal household waste, but must be deposited at a collection point for the recycling of electrical and electronic devices. You can obtain further information about recycling this product from your local council, from local waste disposal operators or from the shop where you purchased the product.



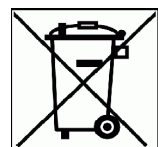
WEEE-Reg.-No. DE 19715620

Disposal of the battery

Duty to supply information according to battery legislation (BattV)

Batteries must not be disposed of in household waste. It is the duty of the user to return used batteries. Please only dispose of batteries via specialised dealers or at battery collection points. In this way, you make a positive contribution to environmental protection. Since 1998, German battery legislation obligates all citizens to dispose of used batteries exclusively via the retail or at collection points specially equipped for this purpose (statutory obligation to return). It is the duty of the retail and of manufacturers to take back these batteries free of charge and to correctly recycle them or to dispose of them as hazardous waste (statutory obligation to take back).

The lithium ion battery in the Navigation device is marked with the adjacent symbol, consisting of a crossed-out waste bin, and the type of battery used.



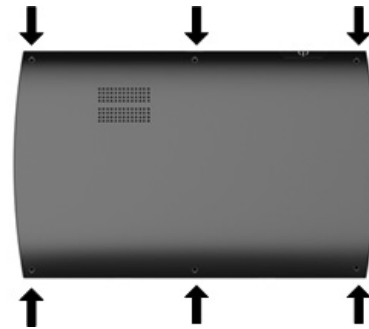
lithium ion

Removing the battery

Before disposing of your device at the end of its service life, the battery must be removed.

Important: Please note that these instructions for removal may damage your device beyond repair. You should only remove the battery if your device has reached the end of its service life and is ready to be disposed of.

- Discharge the battery fully (disconnect device from power supply and leave disconnected until it shuts down).
- Unscrew the housing screws (depending on model) on the rear using a small Philips screwdriver.
- Use a slot screwdriver (inserted into the slots on the sides of the housing) to lift off the rear of the housing.
- Pinch off the battery connecting cable.
- Remove the battery.



Important: Once it has been opened, the device must not be reconnected to the power supply.

Aeroplanes and hospitals

In most aeroplanes, in many hospitals and in many other places the use of electronic devices is prohibited. The device must not be used in such an environment. Always switch off your device wherever such requests are made.

CE certificates and RoHs

This device complies with the guidelines of the R&TTE 1999/5/EC and the guideline 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27th of January 2003 for restricting the use of certain hazardous substances in electrical and electronic equipment (ROHS). You can find detailed declarations of conformity in the Service & Support area on our Internet website www.falk-navigation.de.

Theft

Please never leave your navigation device unattended in the car. Accessories such as mounting brackets on the windscreen indicate usage of a navigation device and should therefore be removed, too.



1.3 Updating of Maps and Software (Content Manager)

1.3.1 Content Manager

The Content Manager is a PC-based application with a number of important functions that can help you to manage the contents on your navigation device. With the Content Manager you can:

- backup saved contents on the navigation device onto your PC and restore them later on your navigation device,
- download current content from the Internet and install it on the navigation device.

To use the Content Manager, you will need the USB cable supplied as well as a computer that complies with the following minimum requirements:

- Windows XP operating system
- Processor with 300 MHz clock frequency
- 256 MB RAM
- 2 GB of free space

Note: When you connect the Falk navigation device to your PC for the first time, the PC installs all the necessary drivers and then displays the message "Your device can now be used". After a short period, the navigation device will be displayed on the computer as a removable storage media.

Installing Content Manager

To install the Content Manager on your computer, you must follow the following steps:

- Switch off the navigation device completely.
- Connect the USB interface of the device directly to a USB port of the computer using the USB cable supplied.
- Switch on the navigation device.
- If the application does not start automatically, please start the file "ContentManagerStarter.exe" manually in the folder "Contentmanager".
- Select a language from the list and then click on OK.
- Read the welcome page and click Next to continue.
- Select the installation folder. A standard installation folder is already preset. To select another folder, either enter the path name or click on browse and define another folder.
- Click on install to start the copying process. Click on display details to see the details during the copying process. The Content Manager is started automatically just after the installation.
- Remove the checkmark from the checkbox if you do not want this. The installation procedure is now complete.
- Click on finish to exit the installation program.



Starting Content Manager

Perform the following actions to start the Content Manager:

- Switch off the navigation device completely.
- Connect the USB interface of the device directly to a USB port of the computer using the USB cable supplied.
- Switch on the navigation device.
- On your computer click on Start > All Programs.
- Select Falk.
- Click on Content Manager.

When the Content Manager is started, the program executes several steps before you can start managing the contents of your navigation software.

Each time it is started, a connection to the Internet is established in order to check whether a new version of Content Manager is available. If a new software version is available, the Content Manager offers you the choice to install it. We recommend that you always agree to the upgrade if one is available. If a new software version is available, you have the following options:

- Click on **Yes** to accept the new software version. The new version will be downloaded and installed before you can start using the Content Manager.
- Click on **No** to start the Content Manager with the old version already installed.

If the new version is an important upgrade, the **Exit** button will be displayed instead of the **No** button. You must install the new version, otherwise you will have to exit the application.

If you have not yet made a backup from the navigation device, the Content Manager will ask whether you want to create a complete or partial backup copy during each start.

Note: We recommend that you create a backup in any case. Only by doing so will it be possible to restore the contents if any data is lost.

1.4 Device Description



Images are similar

1. ON/OFF switch: Switches the device on. If you press the ON/OFF switch briefly, the device switches to stand-by. The current navigation remains unchanged. If you press the ON/OFF switch again, the device is immediately operational again.

Tip: Switch off your device completely to save power if, for example, you do not use it for a while. To do this, you have to keep the ON/OFF switch pressed down for about 3 seconds.

2. Touchscreen: Displays the Falk Navigator software. Select the menu commands or enter your data by tapping.

Attention: Do not touch the display with sharp or pointed objects in order to prevent any damage.

3. Micro SD card slot: Slot for inserting a micro SD card up to max. 32 GB storage capacity.

4. Micro USB port : Port for the USB cable for connecting to a PC or for connecting the car charger cable.

Note: TMC messages are also received via the car charger cable.

5. Reset button: Should your device no longer respond or can no longer be operated, press the Reset button using a thin object, e.g. a pencil. The device will then restart and can be operated again.

1.4.1 Memory card slot

On a memory card you can store card data. These files can be detected and used by your navigation device. To do this, you have to insert an SD card recorded with country maps into the memory card slot of your device.

1.4.2 Card data:

The card data on the SD cards will only be detected once the device is restarted after inserting the SD card. Do not remove the SD card during navigation. The SD card should only be removed when the device has been switched off.

1.4.3 Technical data

NEO 520 (12.7 cm screen size diagonal)

Screen	Display	12.7 cm size diagonal, transmissive, LED backlight
	Resolution	800 × 480 Pixel
Internal memory	Flash memory	4GB
	RAM memory	256 MB
Memory card slot		SD/MMC card slot (Micro-SD) up to 32 GB (class 6 SDHC)
GPS	Antenna	integrated antenna
Input / Output	Input	Screen, keyboard
	Speaker	integrated, 1 W
TMC	TMC	external TMC connector (via micro-USB)
	USB	USB 2.0 (micro USB)
TMC		integrated TMC module, integrated TMC antenna
Battery		Lithium ion battery, 950 mAh
Environmental conditions	Operating temperature	-10 to +60 °C
	Storage	-20 to +60 °C min. / max. storage temperature
	Humidity	0 to 90 % humidity

NEO 620, NEO 640, Camper 640 (15.2 cm screen size diagonal)

Screen	Display	15.2 cm size diagonal, transmissive, LED backlight
	Resolution	800 × 480 Pixel
Internal memory	Flash memory	4GB
	RAM memory	256 MB
Memory card slot		SD/MMC card slot (Micro-SD) up to 32 GB (class 6 SDHC)
GPS	Antenna	integrated antenna
Input / Output	Input	Screen, keyboard
	Speaker	integrated, 1 W
TMC	TMC	external TMC connector (via micro-USB)
	USB	USB 2.0 (micro USB)
TMC		integrated TMC module, integrated TMC antenna
Battery		Lithium ion battery, 1200 mAh
Environmental conditions	Operating temperature	-10 to +60 °C
	Storage	-20 to +60 °C min. / max. storage temperature
	Humidity	0 to 90 % humidity



1.5 Service & Support

If you have any questions or problems regarding the Falk Navigation device, please feel free to contact our support at any time.

Contact form and FAQs: <http://www.falk-navigation.de/de/service/faq>

Telephone support

Germany

For questions regarding guarantee warranty: **01805 32 55 46** (0.14 EUR/Min. from German landlines, mobile prices may vary, max. 0.42 EUR/Min., prices incl. VAT.).

For a qualified consultation, support during the start-up or questions relating to the configuration: **0900 132 55 00** (0.89 EUR/Min. from German landlines, mobile prices may vary, prices incl. VAT.)

Switzerland

0848 20 12 12 (0.11 SFR/Min.)

Austria

0820 20 12 12 (0.15 EUR/Min.)

Other EU (Support in English)

+49 1805 32 55 46 (costs depend on the telephone provider)

Extent and duration of the warranty

United Navigation GmbH guarantees for a period of 24 months from the date of purchase that the product at the time of transfer of risk is free of material defects and defects of title in accordance with Sections 434, 435 of the German Civil Code. If a supplied product should have obvious material or manufacturing defects including transportation damage, a complaint regarding the defect must be made immediately. The statutory provisions in accordance with Sections 434 et seq., 475 Subsection 1 of the German Civil Code also apply.

In contrast to this, the warranty period for the battery (consumables) is 6 months.

Any warranty claim asserted requires proof of purchase.

The warranty does not include defects resulting from unauthorized attempts to open, repair and/or modify the product or its parts by improper installation, the addition of software by the customer himself, viruses, causes beyond the range of intended uses, accidents, fire, lightning, power failures and/or natural disasters as well as comparable causes. Furthermore, the warranty shall expire in the case of any modification or repair of the product, which is either attempted or carried out by unauthorised persons, as well as the removal or modification of the device serial number.

2 Navigation



The Falk Navigator offers you a wide range of functions that you can operate conveniently from the main menu.

Using the function **Enter destination** you can simply enter where you would like to go.

The **"Home"** function will take you back home with just one press, no matter where you happen to be.

Via the **Settings** button you access the settings menu where you can customise your navigation device to meet your needs.

Under **Extras** you can find more convenient functions of the Falk navigator.

Via the **Map** button below you return to the Map view.

Tip: You can switch directly back to the main menu from any menu by keeping the bottom left-hand button left pressed down (mostly "Back" or "Cancel").



Navigation screen

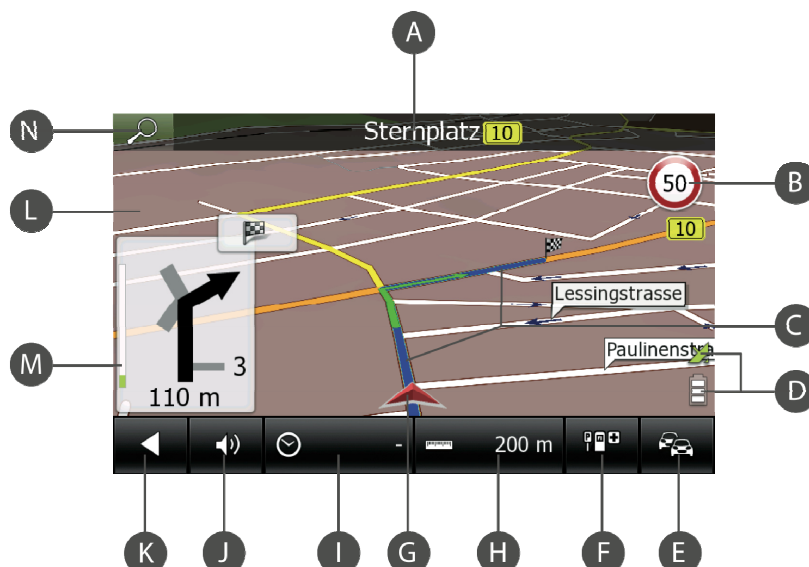
In addition to your current position in the Map view, you can obtain extensive additional information from the navigation screen.

Safety Notice: You should never operate the menus of the navigation screen containing additional information while driving, since this will distract you from the traffic situation.

Your **current position** is marked by a red arrow (G) in the Map view.

The route calculated by the Falk Navigator that you are following is highlighted in blue in the Map view (C). This allows you to already view the route guidance in advance.

You can access the main menu of the application at any time by tapping on the main menu button  (K).



A Info line

The Information row displays the next street name and corresponding house number where necessary. If you are on a main road or highway, additional direction data are displayed before an exit. This means that you will be informed about the next main road or highway number or exit to head for. This number is displayed together with an appropriate icon.

Note: If your next manoeuvre is more than 5 km away, the information row will fade out. In "free driving" mode the information row fades out automatically.

B Speed warning



The speed warning will show you the relevant maximum speed limits on highways and main roads in the form of a traffic sign. Depending on the settings, you are also provided with an audible warning.

In the Settings menu you can activate the speed warning function and make personal settings (see page 41).

C Calculated route

The calculated route is highlighted in blue in the Map view.

D Display area (status icons)

In the display area, the present conditions are displayed via the status icons. The icons might only be displayed temporarily depending on the status. The following status icons can be displayed.



Profile: The car , motorcycle , bicycle  and pedestrian  icons show you the profile you have currently set.



GPS quality: The satellite symbol shows the GPS quality currently available.

- **Red:** Insufficient GPS signal to determine your position. Signals are being received from fewer than three satellites.
- **Yellow:** The GPS signal is sufficient to determine your position, but the exactness might be impaired.
- **Green:** You are receiving a high-quality GPS signal that also allows your elevation to be determined.
- **White:** In tunnels the icon is white (no signal). A simulation (Extrapolation) of passing through the tunnel will be displayed, however. After leaving the tunnel, the navigation continues without interruption.



Battery: The battery indicator shows whether your device still has sufficient electrical power available. If it is fully charged, the icon displays three bars. If the capacity falls below 75 %, two bars appear, at less than 50 % only one bar appears. If the reserve capacity falls below 25 %, the battery icon becomes red. At less than 20 % battery capacity, the message "Attention: low state of charge!" also appears on the screen.. By now, at least, you should connect the device to a power source – whereupon a lightening will appear in the battery icon, indicating that the navigation device is being charged. If the device is not recharged and the capacity falls below 10 %, the message "The battery is almost empty. The device will switch off in 10 seconds." appears on the screen. The device then switches off automatically and can only be used again when it is connected to a power source.

E TMC Messages - Route ticker



The Falk Navigator receives TMC and/or NAVTEQ Traffic traffic messages (optional) during the journey and processes these for calculating the route. A coloured border of the icon continually indicates the TMC status on the navigation screen.

Grey  : No reception from TMC or NAVTEQ Traffic traffic messages.

Possible causes include:

- An unknown TMC encryption format is being received
- No TMC station is available in the region
- No TMC station in the region is reporting a traffic message

Green  : Smooth flow of traffic (there are no current TMC messages regarding traffic obstructions on the route)

Red  : There is a traffic warning, traffic obstruction or danger on the calculated route.

Note: When you are in "free driving" mode, the TMC bar never changes to red since you are not navigating a calculated route.

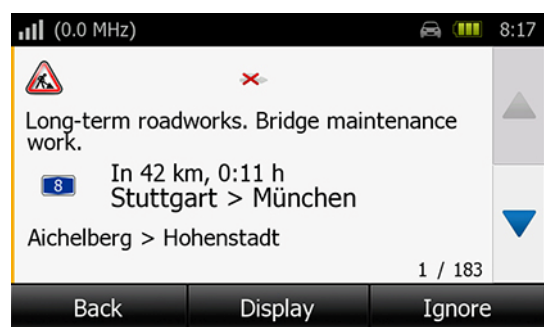
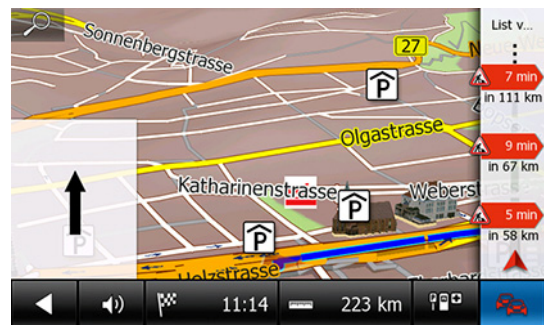
If you tap on the button  in the navigation screen, you will see in the map on the right an overview of the expected disruptions as well as the delay on your route.

If you tap on one of the displayed disruptions, the detailed view for this will be displayed.

If you tap on "List" at the top, all traffic jam messages will be displayed in a list.

In the list display, a disruption icon (traffic jam, building site) as well as the house number and length of the traffic jam is displayed for each message. All messages are sorted in ascending order according to distance to the current position.

You can tap on a list entry to select it. The screen with detailed information will open. In addition, you will obtain a description of the traffic disruption and the approximate length of the delay.



If there are one or more traffic jams on the **calculated route (red display)**, you can take these into account for the route calculation.

Tap on **Take into account**. An alternative route will be calculated.

The calculated alternative route will be displayed for you in comparison with the current route.

By tapping on **Reroute** the alternative route will be calculated and used as the destination for the subsequent navigation.

By tapping on **Cancel** the current route will be maintained.

Note: In the case of blocked roads, the following will be displayed: "Calculated delay approx. > 1 hour."

By tapping on the **Display** button the screen switches to the Map screen and you will see the position of the traffic jam in the Map view.

F Points of interest along the route

Using this button you can display points of interest along your route. Prerequisite: A route has already been calculated.

You can define the categories yourself, from which points of interest will be displayed (see chapter Route overview, page 36)

G Current position

Your current position is marked by a red arrow on the map.

H / I Route information



The two buttons in the navigation view provide you with extensive **travel information** about your route. You have the option to customise the information to meet your personal needs.

Tap on one of the two buttons with the travel information to define the display according to your requirements.

A selection list is displayed, in which you can view the route information (for example, altitude, current speed, time, distance to the destination, time of arrival, remaining travel time). Select an item of travel information and confirm by pressing **Back**. The information you have selected will now be displayed on the button.

H / I Lane assistant



The lane assistant helps you navigate multi-lane roads or highways and complicated intersections, e.g. on highways, highway junctions, main roads and major roads (e.g. in the direction of airports). The lane assistant indicates instead of the route information, which possible lane you should take on a junction.

The lanes to be used for the route are represented by a **white arrow**, which leads to the **next turn-off** manoeuvre. A subsequent manoeuvre is also taken into account. Grey arrows indicate additional lanes that should not be used.

J Volume



When you call up the speaker icon, you can use the volume control. You can now adjust the volume for each of the navigation announcements, keyboard tones and warnings separately by clicking on the corresponding **+/-** buttons. If you want to switch off the sound completely, reduce the volume to the value "zero".

K Main Menu Button



By tapping on the triangle button you can access the **main menu** of the Navigator functions.

L Map

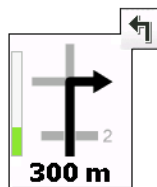
The scale of the map display depends on the speed you are driving. The more slowly you are driving, the more detailed the displayed map will be.

Move map: The display map section can be moved. To do this, tap on the map while making a dragging movement. In this way you can follow the course of the route.

When you want to realign the vehicle position in the map in the direction of travel, then tap on the GPS **Position** button which is displayed when moving the map in the navigation screen.

M Manoeuvre field

The manoeuvre field indicates the direction of the **next turn-off** using an arrow; at intersections, other streets are also shown as well as the distance to the next manoeuvre. If you are at a roundabout, streets outgoing from the roundabout are also shown in addition to the turnoff arrow.



The bar on the left shows you visually how far it is to the next turn-off. The bar fills up until the manoeuvre you have to make.

Relevant cross streets and intersections before the next turnoff are also displayed. If there are several outgoing cross streets before your manoeuvre, symbolised numbers on the side indicate how many cross streets you still have to pass before turning off.

Manoeuvre preview

If you have to perform several manoeuvres in quick succession, the next manoeuvre but one is indicated in the form of a direction arrow to the right of the manoeuvre field. In this way, you can find your way in good time.

N Zoom function

By tapping on the magnifier icon  you can activate the zoom mode. You can increase or decrease the size of the map section (zoom in and zoom out) using the displayed +/- buttons.

To view the entire route from a bird's eye perspective, tap on the bird icon .

2.1 Entering a destination

GPSStatus

All Navigation programs require sufficient satellite coverage in order to continuously determine your current location using a GPS (Global Positioning System) signal.

Note: The first time you switch on the device, it may take a few minutes to recognise the GPS position. On subsequent occasions, your position will be recognised more quickly when the device is switched on.

If you accidentally miss a turnoff or take an incorrect turn, a new route is calculated automatically. You are safely guided to your desired destination by navigation announcements and the screen also displays your current position and the route you need to take.

You will automatically be in **free driving mode** unless you are heading for a particular destination or you are in **simulation mode**. Even if you are not heading for a particular destination and would just like to explore the local area, you can still have the navigation screen show your current position at all times.

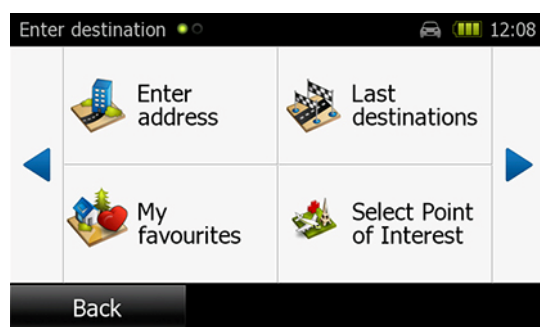
You can end a navigation or simulation in the main menu by tapping on the button with the current destination.



You can enter a destination of your choice and let the navigation device guide you there conveniently by tapping on the **Enter destination** button. With the Falk Navigator, you can navigate to a specific house number (depending on the map material).

You have several options for selecting a destination by:

- entering an **address**
- selecting **My favourites**
- selecting **Last destinations**
- selecting **Points of interest**
- selecting a destination in the **Travel Guide (depending on model)**
- **Enter geocoordinates**
- using **Select on map**
- using the **Route planning**



Note: If you have already specified a home address, you can navigate home at any time by tapping on "Home" in the main menu.

You do not have to always specify the full address to select a destination. It is sufficient to select a country and location, and possibly a street, in order to calculate a route or to refine

the destination entry in the Map view or via the points of interest search. The various destination entry options are described in the following chapters.

2.1.1 Destination entry by entering an address

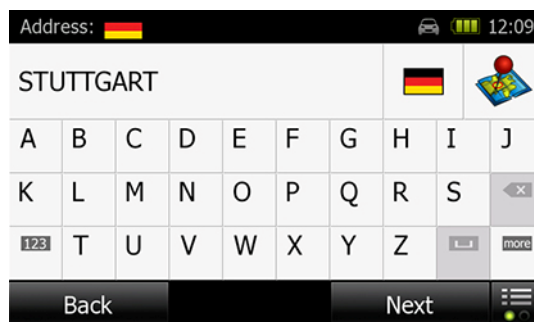
- Tap on Enter destination > Address.

Selecting a country

The country currently selected appears in the entry line on the right identified by the corresponding national flag. Click on the national flag to enter a destination in another country.

You can now either enter the country via the keypad or select the country directly via the "List view"  button at the bottom right in the touchscreen. You can then select the desired country from a list of the installed country maps. After selecting the country, the address entry field reappears automatically.

If you tap on  next to the country name, you will find detailed information regarding speed limits, the blood-alcohol limit and possibly other important regulations that apply in that particular country.

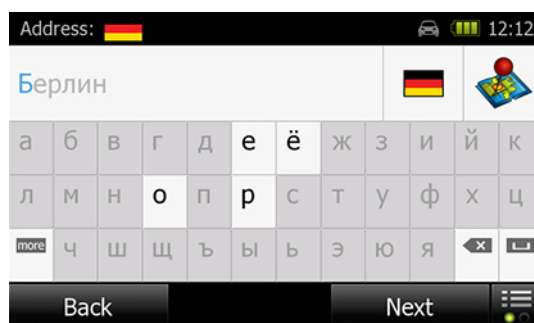


Note: You can only enter a destination if a country map for the destination country is installed on your navigation device.

Attention: Depending on product type, not all detailed maps supplied are preinstalled on the navigation device. You can use the PC program Falk Content Manager to transfer additional country maps to your navigation device. Please also read chapter 1.3 (Updating Maps and Software, Content Manager) on page 10.

Note: For cross-national route calculations, you must have the country maps for the destination country as well as the countries which you must travel through along your route.

Note regarding trips to Russia or Ukraine: If the country you have selected as a country map uses the Cyrillic character set (e.g. Russia, White Russia, Ukraine), you have the option to use the **Cyrillic keyboard** for entering the exact destination in these countries. To do this, press the "**more**" button at the bottom right in the display.



Switchover to the Cyrillic keyboard:

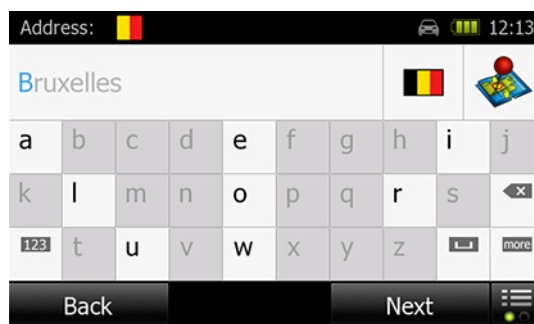


Switchover to the Latin keyboard:



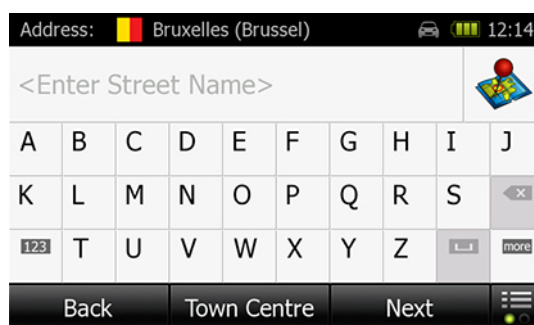
Selecting a destination

Once you have selected the destination country, enter the **destination** via the onscreen keyboard. As soon as you enter the first letter, a proposal is displayed in the input field. Keep entering letters until your desired destination appears in the input field. Confirm your entry by tapping on the **place name** or press the **Next** button.



Tip: To display a list with several suggestions for your entry, you can also hide the keyboard by pressing the keyboard button . When you click on an entry, the place name is applied and the screen switches directly to the entry of the street.

Note: If you do not wish to further restrict your search by selecting a street and/ or house number but simply want to navigate to the centre of the destination town/city, simply tap on **Town centre** after selecting the place name with **Next**.

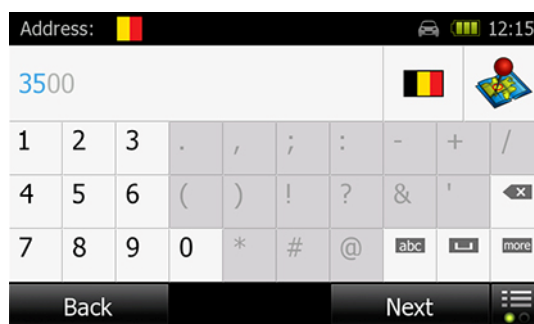


Look-ahead function: An automatic word recognition function (look-ahead function) is available to you when you enter information, which makes data entry quick and easy.

Letters that are no longer applicable are not displayed. Usually, you do not have to enter the entire place name either. For example, just entering "Gm" is sufficient when you are searching for "**Schwäbisch Gmünd**". If there are umlauts in the destination place name, simply select the corresponding letters without an umlaut (for example, Lubeck for Lübeck).

Selecting a postal code

Alternatively, the address can be entered using the **postal code**. To enter the postal code, tap on the button  in the destination entry screen. Enter the postal code via the keypad. The postal code you selected is displayed.



Note: If you do not wish to further restrict your search by selecting a street and/or house number but simply want to navigate to the centre of the destination town/city, after selecting the place name simply tap on **Town centre** in the next screen.

Selecting a street

Enter the **destination street** (for example "Unter den Linden"). **Confirm** the street name by tapping on the **street** or confirm by pressing the **Next** button.

If you do not wish to enter any house number, tap on **Street Midp....** You will then be navigated to the middle of the street.

Note: When entering the address, you can always display your selected destination on the map by tapping on the map icon. Your previous entries will be displayed in the title bar.

Selecting house number

Enter the **house number** (for example "6"). Confirm your selection by tapping on **Number** or the **Calculate** button. The route is calculated.

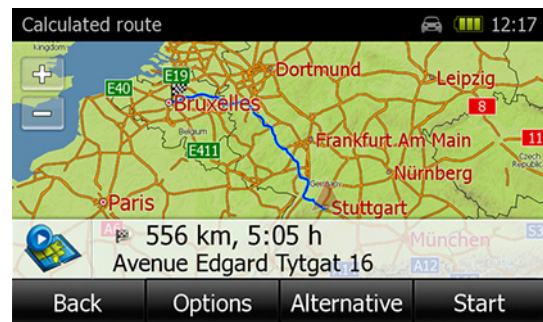
Note: If the **destination you have entered is not unique** because there are multiple occurrences of the address in the destination town/city, another screen is displayed prior to route calculation. This screen displays a list of all choices that match the information you have entered and are identified with their postal code and the name of the district. Select your destination and confirm the information you have entered by tapping on **Calculate**. The route calculation is started for the selected destination.



Calculated route

After the route has been calculated successfully, it is displayed for you in an overview map. You can then choose from the following options:

- Start the Navigation ("**Start**")
- Customise route options ("**Options**")
- Calculate alternative routes ("**Alternative**")
- Simulate route (button  at the bottom left)

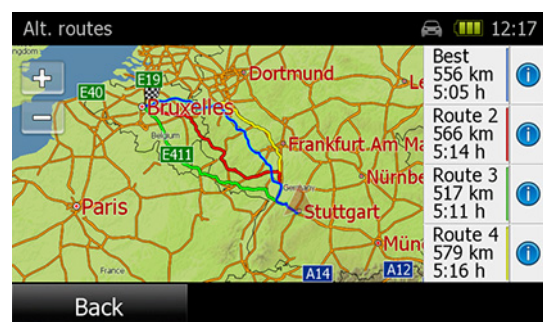


Route options

To change the set route options for the calculated route, tap on **Options**. If you change these options, the route will be recalculated. You can find out more about this in the chapter entitled Route options, page 37.

Calculate alternative routes

You can view the different routes from the navigation device in a display. When the entire route is displayed, press on the **Alternative** button. After a short time, the map appears. The individual routes are calculated in succession and plotted on the map in different colours.



In the right-hand area you can see the coloured assignment of the individual routes, the number of kilometres for each of the routes and the expected duration of the journey. You can find out detailed information about the suggested routes by selecting the button . You can select the desired route by pressing one of the buttons on the right.

Simulation

In the lower left-hand corner of the map is a Play button  that you can press to start a simulation of the route. When you tap on the display after starting, a bar with blue control buttons for the simulation is displayed at the top of the screen. The simulation is started or resumed by pressing the Start button. After pressing the Start button, it changes to a Pause button that can be used to interrupt the simulation again.



The Fast Forward button allows you to play the simulation at up to 16 times the normal speed. Using the two arrow buttons you can move from route section to route section. If no further entries are made, the control bar disappears again after a few seconds.

2.1.2 Entering a destination by selecting the home address ("Home")

You can start the route guidance to your home address conveniently at any time via the **Home** button. The route is calculated automatically. You do not have to confirm the selection.

You can always change the address again that you entered under **Settings > System settings > Home**. For more information see page 44.

2.1.3 Entering a destination by selecting one of the most recent destinations

With the Falk Navigator, you can select recent destinations easily and quickly. The destinations are continuously stored in a list and displayed in the destination selection screen when required by tapping the button **Last destinations**.

Tap on **Enter destination > Last destinations**.

Select a destination. You can use the arrow keys to scroll through the list. Tap on **Calculate** to start the route calculation.

Note: The Falk Navigator stores up to 200 Last destinations and then overwrites them starting with the first entry.

2.1.4 Entering a destination by selecting a point of interest (POI)

Instead of entering a complete address, you can search for points of interest (POIs) in a town/city or on a street for which addresses and, in certain cases, further information are stored in the Falk Navigator. These points of interest are divided into different categories and frequently help you to **find interesting places, attractions, hotels, restaurants**, and much more.



Tap on the **Points of interest** button to start searching for points of interest.

Then decide exactly where you want to search for the points of interest: **nearby** of the current position, **near destination**, whether the **point of interest** should be **on route** or **near** a specific **location** that you enter yourself. But you can also enter the **point of interest directly**. Afterwards, enter a point of interest category: The main points of interest categories are **Car Parks**, **Petrol Stations**, **Food and Drink**, **Guest Houses** and **Overnight Accommodation**.

All other POI categories are summarised under **All categories**. Selecting **All categories** opens a list with additional points of interest categories from which you can select several or all categories in the list by tapping on them.

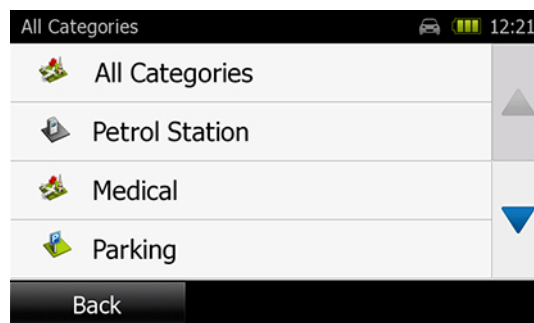
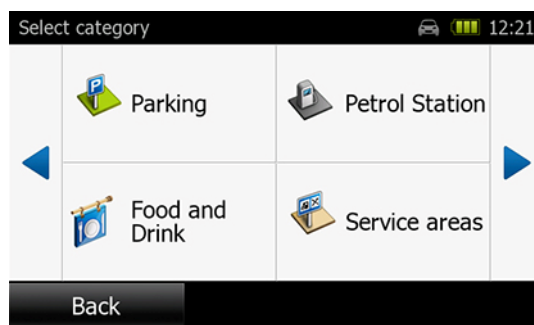
Using the **All categories** button, however, you can also search for a specific point of interest in several categories. To do this, enter a term such as "opera", for example, and then press **"Next"**. Destinations will now be proposed from all categories in which this term occurs (for example, opera house, but also including Brasserie An der Alten Oper, U-Bahn Alte Oper etc.)

Note: You can only search for a **current destination** if you are already navigating to a destination. If you want to search around for an **address**, you are prompted to enter the address via the keyboard.

If you tap on the icon  at the top right in the address field when entering the address, your current position will be displayed on the map. In this view, you can manually **specify a town/city** in the vicinity of which you would like to search for points of interest. If the desired town/city is not visible on the map, you can move the map section by tapping and dragging on the map at the same time. Tapping on the map moves the pin and establishes a new position.

After you have established the central point for your search, all available POIs will be shown in a list in the order of their proximity to this central search point.

Note: The distances in the POI list indicate the distance to the central search point as the crow flies. The exact distance to be covered is not determined until the route is calculated.



It is possible to scroll through lists of points of interest using the arrow keys. The name and distance, a theme icon, and where applicable, an importance icon are displayed for each entry in the list. The meaning of some of these icons is listed below in tabular form.

Importance icon

Marco Polo Insider Tips



Highlights



Theme icons:

Food and Drink



Overnight Accommodation



Museums



In the Evening



Shopping



Attractions



Art & Culture



Exhibition centres & Transport



Culture Scene



2.1.5 Entering a destination using Route planning

With your Falk Navigator you can also select several interim destinations and organise them into a tour. This function can be used to plan a route to several subsequent destinations. You determine the sequence of the destinations. The Falk Navigator always guides you from the first to the final destination on your tour in the sequence you have specified.

Tap on the **Route planning** button in the destination entry screen.

A new screen is displayed prompting you to create a new route. If you have already compiled and saved routes, they will appear as a list below the name you have assigned. If you want to create a new route, you can compile the stages of the route using different input modes. You can either enter a new **Address**, select a saved address from the functions **Last destinations**, **My favourites**, **Points of interest**, **Travel guide** or determine the address via

Select on map or Enter geocoordinates.

You can use the Route planning to plan and preview routes in advance from the comfort of your home. Not only can you display the route and travel time, but you can also simulate the calculated route on your Falk navigation device. The Route planning has a similar structure to the destination entry menu.

Creating new routes

To create a new route, press  **Create new route**.

From the list that appears below you can select how or from which source you would like to enter the addresses for the various stages of the route. You can either enter the addresses anew or add them from other sources (Last destinations, Saved favourites, Points of interest, Travel Guide). The stages of the route can also be determined via a position selected directly on the map or by entering coordinates.

- Press the **OK** button in the corresponding entry menu to save the destination stage.
- To enter additional stages of the route, press the button **Add stage of route** in the list of stages as described above.
- Press the **Finish** button once you have entered all destination stages.
- Enter a self-chosen name for the route.

The Stages menu of the new route is displayed.

Browsing and editing saved routes

Press the arrow buttons on the right-hand edge of the screen to browse the saved routes. You can add additional stages to a saved route, change the name of the route or delete a route.

- Press the button  before the route you want to edit.
- You can now add a stage to the route by pressing **Add stage**.
- After clicking on **Rename route**, you can assign a new name for the route.
- You can delete the route from the save routes by pressing the button **Delete route**.

Selecting and starting a route

Select a route by clicking on the name you have assigned. The route is loaded and displayed in the Stages menu.

- Press the button  **calculate (Route name)".**

Note: You can also select a stage of the route. The route is then started from this stage.

- Select a starting point or the current position, or the first destination entered as the starting point for the guidance info.

Note: When a starting point is selected, its only purpose is for viewing a route.

The individual stages are calculated. A map is then displayed with the stages.

- Press the **Start** button to start the guidance info of the route.

You can call up the route options using the **Options** button.

Simulation of the route

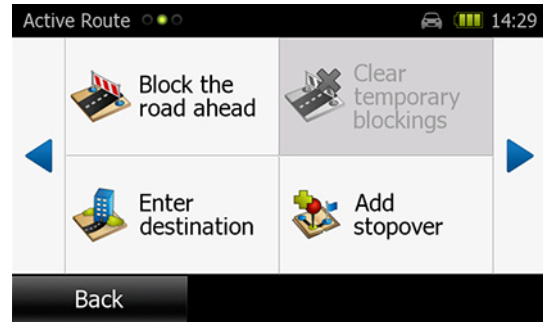
In the lower left-hand corner of the map is a Play button  that you can press to start a simulation of the route. Please also note the meaning of the buttons in the upper scroll bar, see chapter 2.1.1, Simulation, page 25.

2.1.6 Entering a destination as an interim destination

After calculating the route, you have the option to enter an interim destination for your route.

Prerequisite: The route has already been calculated and you have started the navigation.

Select in the **main menu > Active route > Add stopover**. Select the type of destination entry and enter a destination. Tap on **Calculate**.



Note: You can only enter one interim destination. If you want to enter a new interim destination, you have to delete the previous interim destination.

2.1.7 Entering a destination by selecting self-defined destinations ("My favourites")



The function **"My favourites"** allows you to save your favourite destinations as well as destinations used repeatedly and to call them up quickly and conveniently without having to enter the address again each time. You can also make POIs (points of interest preinstalled in your device) your personal destinations.

Under **Enter destination**, tap on the button **"My favourites"**. When calling up **"My favourites"** for the first time, the selection list will still be empty since no destinations have been created yet. Once the destinations have been saved, they are listed in alphabetical order. You can use the arrow keys to scroll up and down in the list and call up the desired destination.

Creating your own destinations

You can create your own destinations by

- using the current position (**"Where am I?"**),
- using a point of interest in the menu **Travel Guide**,
- saving one of the **Last destinations**,
- **Enter geocoordinates**.

In the **Extras** menu you can use the button **"Where am I?"** to save the current position. To save a point of interest from the **Travel Guide**, the address must be selected in the corresponding menu from the categories and saved. One of the Last destinations can be saved under **"My favourites"** by calling up the address list in the **Last destinations** menu and pressing the  button, whereupon the destination can be displayed **On map** and then saved. A destination entered via geo-coordinates can also then be saved in the corresponding menu.

2.1.8 Travel Guide

See page 45

2.1.9 Position on map

You can select the destination directly in the Map view. Press the button **Position on map**. The map view will appear. With the Zoom buttons $\oplus$ and $\ominus$ you may still have to increase the size of the area in order to reach the desired point. You can also move the map to the desired point by dragging.

Press lightly on screen at the desired point. A pulsating circle will be displayed at this point. You can redisplay your current position by pressing the GPS position button. Press the **Calculate** button. The address of the selected point – if available – is displayed.

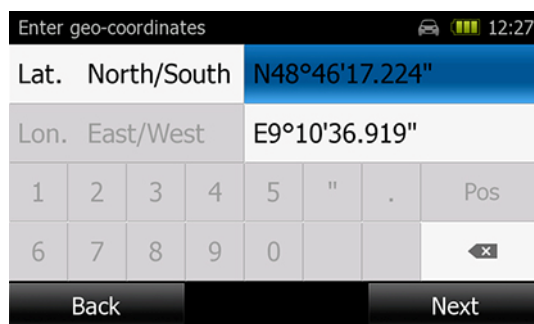
Press the Start button to start the guidance info to the selected destination immediately. You can select a new destination even when the route guidance has started by tapping the map to add it as an interim destination of your route or to replace the old destination. If you touch the display, a compass and arrow keys will appear for adjusting the horizontal alignment of the map and the vertical viewing angle.



2.1.10 Coordinates

You can also enter your destination using geo-coordinates: In the main menu, press the **Enter destination** button and then the **Enter geocoordinates** button.

- Tap on Lat. Nord/South or East/West to set the desired direction (N, S, E, W) of the geographical longitude and latitude (East/West or Nord/South).
- The input field can be displayed greyed out at the beginning. Delete any coordinate values in both blue fields that may have already been entered using the backspace button $\leftarrow \times$ so that you can use the input field.
- Afterwards, enter the desired values via the numeric keyboard using the buttons "1" to "0".



Press **"Next"**, the destination will be displayed as an address if the coordinates generate such an address. The destination is displayed for you on the map by pressing **"On map"**. You can also save the destination, display the route to the destination and then start the guidance info immediately.



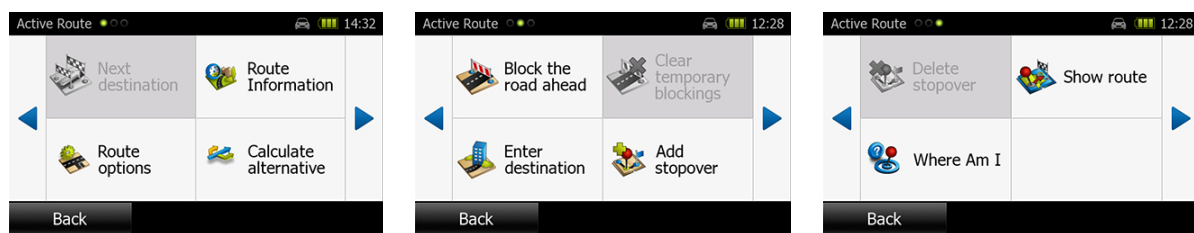
You can enter the coordinate using three different notations:

- Degree minute second.decimal second, for example 42°52'46.801"
- Degree minute.decimal minute, for example 48° 53.56667'
- Degree decimal, for example 48.89277778

Note: The coordinates entered must comply with the WGS84 (World Geodetic System 1984).

2.1.11 Active route

If you have calculated a route and you are in the Navigation, you can access the main menu by tapping on the main menu button . Here, by pressing on **Active Route** you have the following options:



-  **Next destination** – if you have entered an interim destination or you are in a tour, you can head for the next destination.
-  **Route options** – here you can change the route options for the calculated route.
-  **Route information** – here you can find a variety of information on your selected route, such as the distance to the destination, the time of arrival etc.
-  **Calculate alternative**– here you can calculate and select alternative routes proposed by the Navi.
-  **Block the road ahead** – here you can avoid the section of the route that is immediately ahead of you if you know, for example, that road works are there and the section is impassable. To do this, select the length of the section to be rerouted and confirm with **OK**.
-  **Clear temporary blockings**– you can remove the block of the section previously set by pressing this button.
-  **Enter destination** – here you can change a current destination or enter a new destination.
-  **Add stopover** – here you can enter an interim destination that will then be navigated to prior to the destination that was already entered.
-  **Delete stopover** – here you can delete a previous interim destination.

-  **Show route** – the route calculated by the navigation device can be displayed by pressing this button. From this menu item you can also change route options directly (press "Options") or have alternative routes calculated (press "Alternative"). Via **Start** you will return directly to the Map view.
-  **Where am I** – here you can determine your exact current location based on GPS data and get information about important addresses nearby in the event of emergencies (for example, hospitals, petrol stations). This position can also be saved using a freely selectable name under **My favourites** (also see chapter "Where am I" function, page 33).

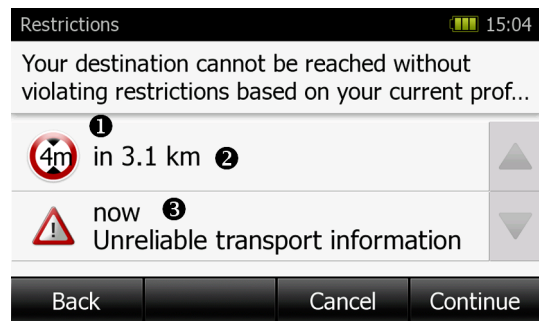
2.1.12 Supplementary functions for mobile homes (selected models)

Camper devices support a number of additional functions which you will find helpful. Select camper as the vehicle type in the Settings menu and adapt the corresponding vehicle data accordingly. For more information, see also the chapter on camper vehicles on page 38.

Note: Detailed data is not available for all routes; there are even entire countries for which no data is available. If map data is not available, this is indicated in the list of restrictions by the message "Insufficient map coverage" and the  symbol.

Feedback after route calculation

When calculating the route, the best possible route is selected by taking the vehicle specifications into consideration if possible. The route might vary considerably from the car route as regards distance, journey time or routing. If a destination cannot be reached without taking the predefined restrictions into consideration, this will be displayed after the route calculation. You can scroll through the list using the arrow keys or scroll wheel on the right-hand side of the screen. Press the **Cancel** button or to return to the last entry. Press the **Continue** button to start the navigation.



The following is displayed for each restriction:

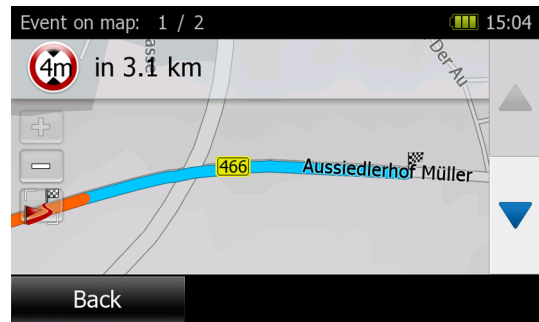
1. A graphic for the restriction
2. The distance from the current position
3. A description of the restriction

When you select a restriction, the corresponding section will be displayed on the map.

Zooming in on the map

You can gradually zoom in and out of the map using the Zoom buttons.

- Press the + button to "zoom into the map" and thus zoom in closer to the displayed details.
- Press the - button to "zoom out from the map" and thus get a greater overview.



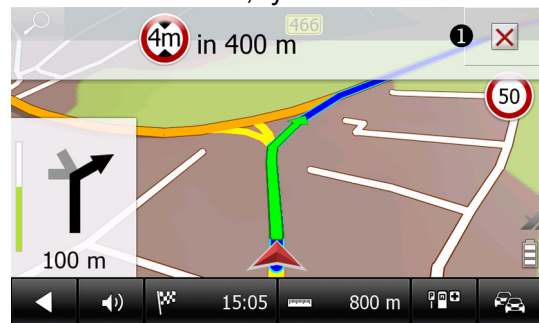
Warnings with planned route

If there are road sections that are subject to relevant restrictions, you will be warned accordingly.

If there are road sections on your route that are subject to a restriction, your navigation system will warn you shortly before reaching the road sections affected. The layout of the message is similar to that described in the chapter **"Feedback after route calculation"**.

Press the **1** button to close the message.

The message will close automatically once you have left the critical area. In addition, the message closes automatically when you approach a new road section with a restriction.



Warnings without planned route

Even without a planned route, you will be warned of known restrictions. The function is similar to the one described in the chapter "Warning with planned route".

Furthermore, the navigation system will display in which direction you can or cannot drive at intersections, provided that the information is available.

2.2 Extras



2.2.1 Travel Guide



See chapter Travel Guide, page 45

2.2.2 Where-am-I" function



In emergency situations swift responses are vital. It is absolutely essential to specify the exact location so that rescue teams can be on-the-spot as quickly as possible. However, the persons involved are often suffering from shock and cannot handle the situation. They are often unable to specify the exact location.

The navigation device is equipped with a function to help you specify your exact **current position** in the event of an emergency. In the Extras menu if you tap on the button **"Where am I?"**, a



formulated location description will be displayed for you. All you need to do is read where you are located.

If you are on a highway or main road, no address is displayed but rather the road number, such as A8 or B191.

In addition to your position information, you will find additional important information by tapping on the following icons:

- Information on **emergency call numbers** 
- Reference to **hospitals** in the area 
- Reference to **petrol stations** in the area 

In the menu bar below, you can also display the location via the geo-coordinates (**GPS Info**), and you will find under **Country info** important information on the traffic regulations and laws applicable in the country where you are currently located.

Notes:

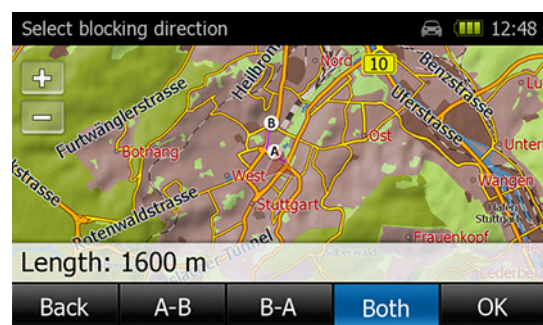
- The map material for the country where you are currently located must already be installed on your navigation device in order for the navigator to find your current position and to display the information described above.
- In some areas with no GPS or inadequate GPS reception, such as in tunnels, garages, underpasses etc., it might not be possible under certain circumstances to determine your current GPS position with the aid of your mobile navigation device. Therefore, in these situations it is not possible to execute the "My location" function or this will only be available to a limited extent.
- United Navigation GmbH cannot assume any responsibility for the accuracy or completeness of the corresponding information. No liability shall be assumed for damages of any kind whatsoever as a result of using the information retrieved!



2.2.3 Block road (optional!)

With the Block road function you can block a road section permanently so that your navigation device calculates a detour in the event of a traffic obstruction. The block you have entered can be displayed on the **map** and removed again from the list using the **Delete block** button.

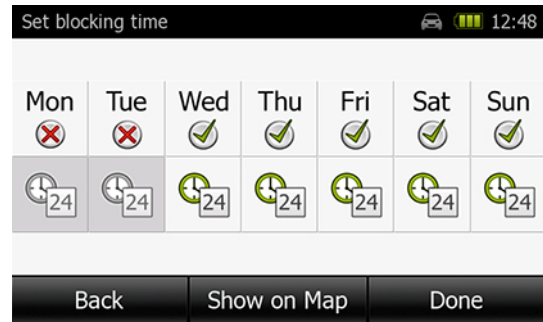
- Press the Block road button. A map of the surrounding area of your location is displayed.
- Tap on the map to define a start and end point of the section you want to block. The points will be marked with the letters A and B. Confirm with **OK**.
- Specify the direction in which the section should be blocked (from A to B, from B to A or in both directions). Confirm with **OK**.



The blocking times will now appear for the specified section. The road is first blocked on each weekday around the clock.

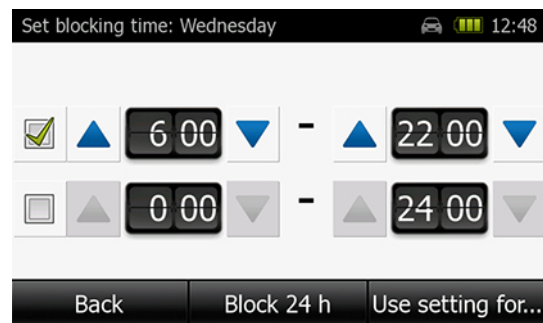
You can either apply the default complete road block or set for each day of the week whether and when the road should or should not be blocked.

- Press on a weekday to exclude it from the road block.
- Press on the clock icon below a weekday to restrict the road block to a specific time for this day.



You can set up to two times when the road should be blocked.

- Use the buttons ▲ and ▼ to set the first time period for which the road should be blocked on this day.
- Use the buttons ▲ and ▼ to set the second time period for which the road should be blocked on this day, if necessary.
- Furthermore, you can display all previously created permanent road blocks in the map mode by pressing the **List** button. Select the road you want to block by pressing on it to adjust the roadblock times.

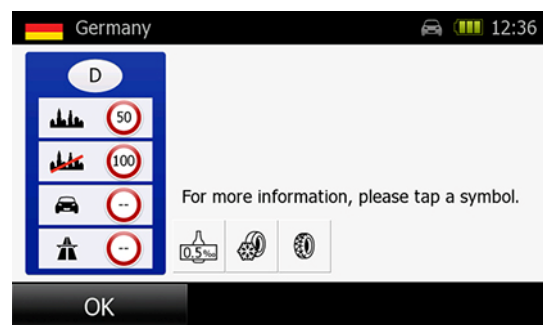


The day can be blocked again around the clock using the button **Block 24h**. The button **Use settings for...** allows you to apply the specified time for the whole week or for the weekdays only.

- Afterwards, you must assign the roadblock a name and save it.

2.2.4 Country information

After selecting the name of the country in the Extras menu under the function "Country information", you can find detailed information regarding speed limits, the blood-alcohol limit and possibly other important regulations that apply in that particular country.



3 Navigation Settings

If you press on the **Settings** button in the main menu, a submenu will appear that differentiates between navigation settings and system settings. The Navigation settings contain all settings relevant for the navigation functions.

3.1 Map view

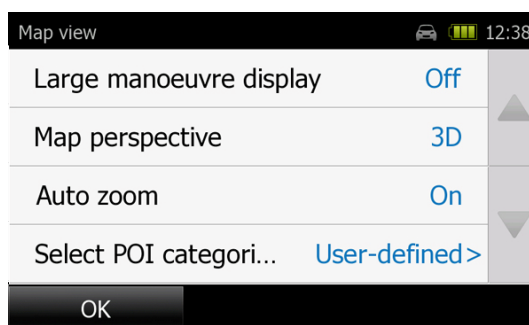
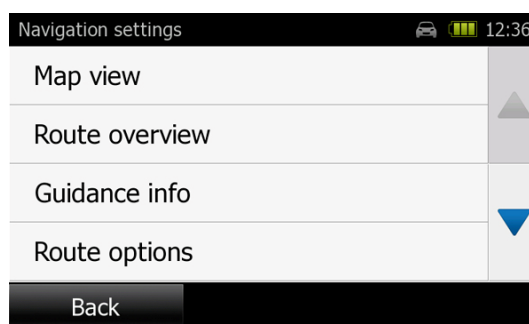
After pressing on Map view, you can carry out various settings.

Press **Large manoeuvre display** to display the arrow for the route guidance in large or small format (On/Off).

Under **Map perspective** select a 2D or 3D view for the map display.

By pressing **Auto zoom** you can select whether the perspective on the map always remains unchanged (Off) or whether the area you are travelling on is automatically zoomed in larger when driving at low speeds (On).

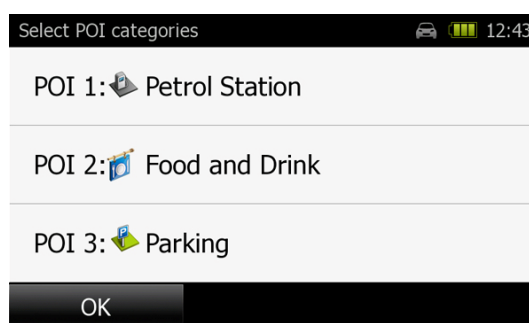
Under the menu item **Select POI categori...** you can select those categories that should be displayed on the map from the POI categories available. You can choose whether you want to display all available points of interest or whether no points of interest should be displayed. By pressing the button "**User-defined**" and "**Select POIs**" you can also choose selected POIs from different categories.



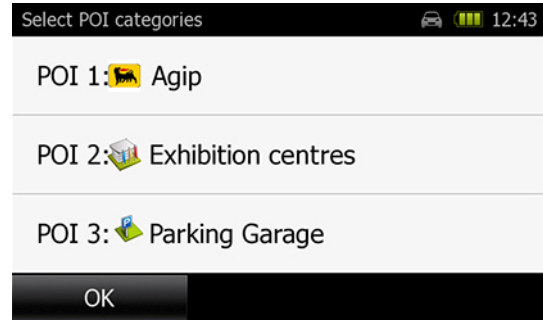
3.2 Route overview

Under the menu item **Route overview** you can select three different point of interest categories (POIs).

If you touch the preselected option of a point of interest category (POI 1, 2 and 3), a selection list with different point of interest types will appear.



Here, you can define additional very detailed information about the destinations or restrict the POIs displayed, for example, in the case of petrol stations, only display a certain brand such as Agip or BP, or limit the search to a parking garage instead of a car park.



3.3 Guidance info

Press Guidance info to select which additional information should appear on the screen during the route guidance.

if you activate **Lane info**, a small arrow will indicate which lane you should take on multi-lane highways.

If **Sign posts** is activated, you will get additional information about the sign posts at important traffic junctions that you should follow.

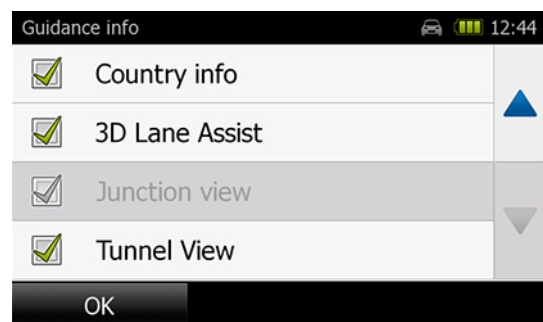
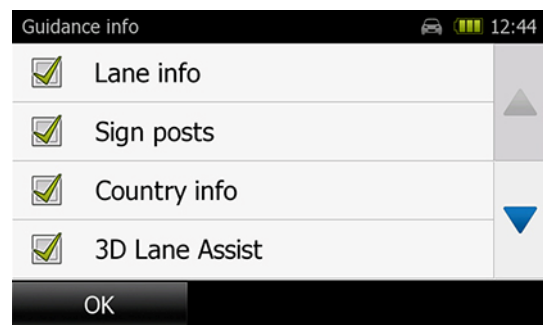
If you select **Country info**, you will be informed automatically about the current valid traffic information (e.g. speed limits) of the respective country when you cross over the national boundary.

If the **3D Lane Assist** is activated, you will see an animated, realistic representation of your lane at many junctions if available.

Select **Junction view** to display realistic images of the current traffic lane situation at complex highway junctions if available.

Note: The 3D Lane Assist and the Junction view cannot be activated together since the one function excludes the other. The Junction view can thus only be selected if the 3D Lane Assist is deactivated.

If you activate the **Tunnel View**, the screen will switch to a three-dimensional tunnel view when driving through a long tunnel.



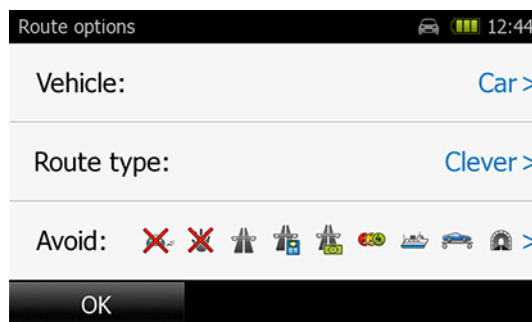
3.4 Route options

Route options determine the criteria by which the route should be optimised and whether specific traffic routes (e.g. ferry connections) should be excluded during the route calculation.

Note: The route options available firstly depend on the **Vehicle** selected. Thus, the bicycle setting for example, will automatically block highways on the route.

3.4.1 Vehicle

First select the **Vehicle** by tapping on the first row at the top. You can now choose between **car**, **motorcycle**, **bicycle** and **pedestrian**. Furthermore, you can set a maximum speed for each vehicle type, including pedestrians. Confirm your selection with **OK**.



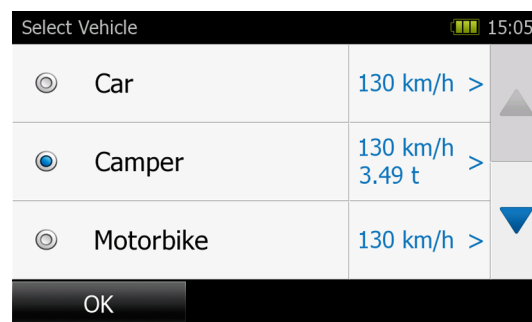
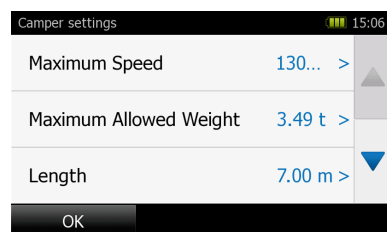
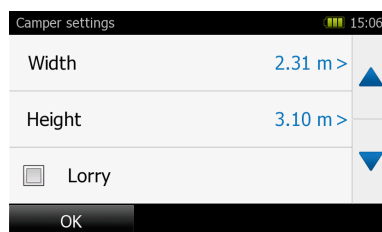
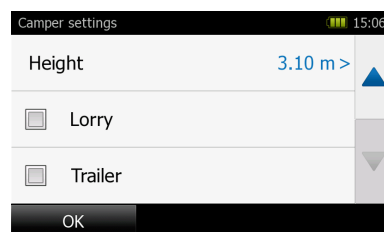
3.4.2 Camper vehicles (depending on model)

When a **Camper** vehicle is selected, you have access to additional functions. You can specify or select dimensions, weight, trailer or truck mode for larger mobile homes.

Once the appropriate profile is set, a route is calculated on the basis of these settings. See also the chapter about mobile home functions on page 32.

Start by selecting **Camper** as the vehicle type. Next, select the vehicle data on the right-hand side of the screen. You can then adapt the data to your vehicle.

Apart from the minimum speed, you can specify the permissible total weight along with the length, width, and height of your vehicle. If you select **Lorry**, roads which cannot be used by trucks will be avoided. Current legislation in Germany, for example, categorizes mobile homes weighing 3.5 t and above as trucks. Legislation in other countries differs. If you select **Trailer**, roads which must not be used by vehicles towing trailers will be avoided.

Danger of accident!

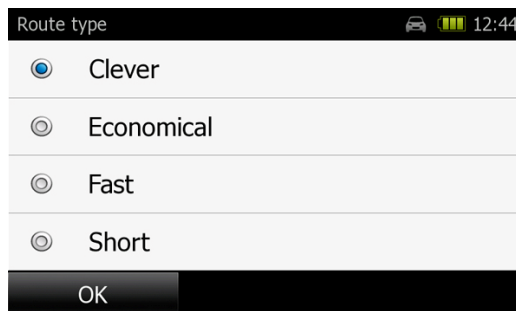
The information in the map material could be incorrect due to sudden changes (e.g. road works)! Moreover, information is not available for all roads and all countries. The traffic situation and local signposts have priority over the information given by the navigation system.

3.4.2 Route type

Note: If you select bicycle or pedestrian navigation in the first step, the route **cannot** be optimised according to the following route options.

If you have selected **car** or **motorcycle** or **camper** (depending on model) as a vehicle, you can choose between the following route options:

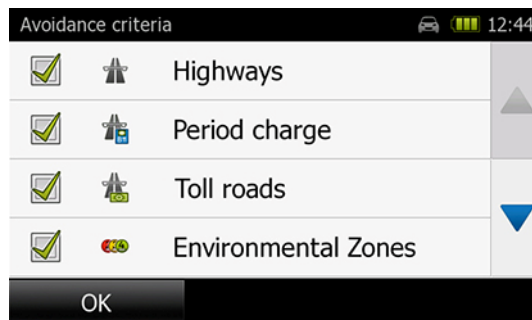
- **Clever:** In this mode you benefit from the "Learning navigation" of the device software that compiles a daily and time-dependent route recommendation for you. The most clever route that reaches the destination as quickly as possible is calculated automatically.
- **Economical:** The navigation device suggests a route that represents the best compromise between time and route. When weighing up the alternatives, the navigation device also takes into account that the time benefit achieved due to higher speeds can definitely result in higher petrol consumption.
- **Fast:** The fastest route to your destination is calculated, which does not have to be the "cleverest" though, since the current traffic volume is not taken into account.
- **Short:** The shortest, sensible route to the destination is calculated. This does not always have to be the fastest route, however.



Tap on **OK** to access additional route options.

3.4.3 Avoid

You have the option, for example, to avoid **Highways**, **Ferries**, **Long tunnels**, **roads with a Period charge**, **Toll roads** or **Environmental zones** etc. during your journey.

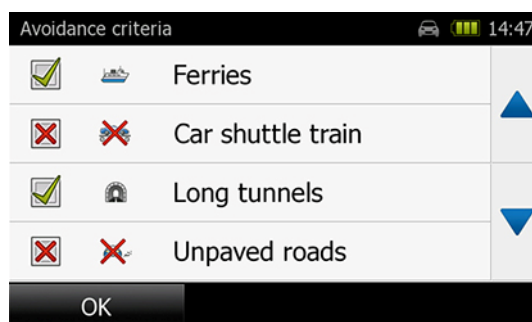


Note: If you have selected pedestrian or bicycle navigation, you can only avoid some of these options.

To do this, tap on the corresponding row. A red X in the checkmark box indicates that you have excluded the corresponding vehicle routes, a green checkmark includes these criteria in the route guidance.

Note: If it is not possible to reach the destination because of the route options you have excluded, the Navigator will place the route along the actual section to be avoided regardless.

Confirm your settings with **OK**.



3.5 TMC (model dependent)

Your navigation device can receive traffic messages from radio stations (TMC messages). For this purpose, the power supply cable must be plugged into the Navi in the Active Holder (model-dependent) since the antenna is also integrated in this cable.

Note: TMC (Traffic Message Channel) is not available in all countries.

The traffic messages are transmitted via the TMC from radio stations in addition to the radio program and received and evaluated by the navigation system. The reception of traffic messages is free of charge.

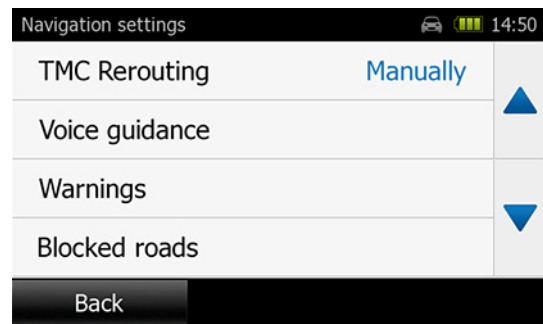
Note: Since the traffic messages are transmitted from radio stations, we cannot guarantee the completeness and correctness of the messages.

Austria: The location and event code was provided by the ASFINAG and BMVIT.

The navigation device checks continuously whether any relevant messages are available for the set route. All traffic obstructions received are displayed in the Map view. If a traffic message is considered to be important for the guidance info during the check, the device can calculate a new route to the destination automatically.

In the TMC settings window you can make settings for rerouting traffic obstructions in the event of traffic messages.

- By pressing the TMC button repeatedly, you can choose whether the route should be changed **Manually**, **Automatically** or **Never**. With the setting **Never**, you have virtually deactivated the TMC function.



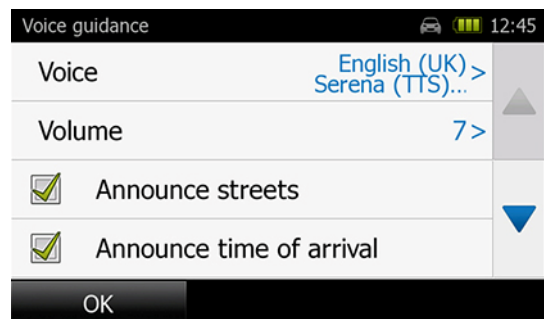
An automatic search run sets the station with the best reception. The TMC station currently being received appears on the display.

The TMC messages can be announced by the voice if the option Announce traffic jam messages is activated in the Navigation settings in the Voice guidance menu.

3.6 Voice guidance

In the settings window **Voice guidance** you can define all parameters for the voice output of your navigation device. You have the following options:

- Press **Voice** to select various male or female voices in different languages.
- Furthermore, you can set the **Volume** for the navigation, **button tones** and **warnings** from "0" (off) to "10" (max. volume) by pressing the buttons **—** and **+**.
- In addition, by setting a green checkmark  you can decide whether street names, the time of arrival and traffic jam messages (only for voices with the TTS function!) should be announced.



3.7 Warnings

In the **Warnings** settings window you can define which warnings should be displayed by the navigation device or which warning tones should be output.

- To do this, press the **Warnings** button in the settings menu. You can now make various settings for **speed limits**, **speed camera warnings** and **environmental zones**, which are described in more detail below:

3.7.1 Speed info

Using the menu item Speed info, you can display speed limits parallel to the navigation and set whether you want to be warned against exceeding speed limits acoustically by the voice guidance or by an alert.

Note: This information can only be displayed if it is contained in the map material.

Attention Danger of accident! The information in the map material could be incorrect due to sudden changes (e.g. road works)! The traffic situation and signposts on site always have priority over the information given by the navigation system.

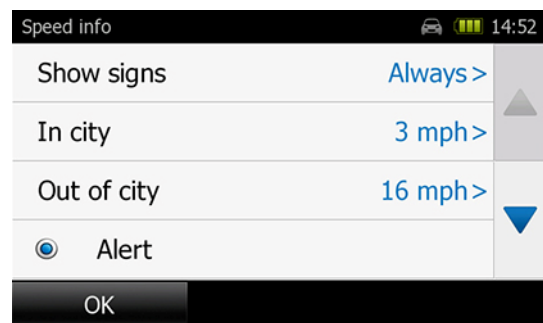
Press the **Speed info** button to make the following settings:

Show signs: Select here whether speed limits should be displayed never, only if the speed limit is exceeded or always. Furthermore, you can set whether the signs should flash if a speed limit is exceeded.

In city: Select from what speed you want to be alerted acoustically when speed limits are exceeded within cities.

Out of city: Select from what speed you want to be alerted acoustically when speed limits are exceeded out of cities.

Alert: An acoustic signal sounds as soon as the speed limit is exceeded.



Voice output: A voice alerts you when you exceed the speed limit.

3.7.2 Speed camera detector

In the menu item **Speed camera detector**, you can be alerted against stationary speed checks.

Note: There is no standardised regulation in Europe on the use of the speed camera detection function. Please find out about the legal situation in the country you are travelling in. The use of this function when travelling in Germany, for example, is considered to be an offence.

3.7.3 Environmental zones

You can be alerted about environmental zones provided that this information is saved in the card material and is supported by your navigation system. This function can be activated or deactivated. In addition, you can be alerted acoustically against driving through environmental zones by activating or deactivating the green speaker icon.

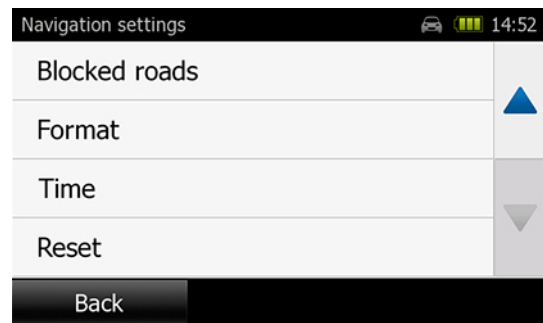
3.8 Blocked roads

Further information on this topic can be found in chapter 2.2.3, page 34.

3.9 Format

Under the menu item **Format**, you can set which measurement units should be used for **time** and **distance**.

For time you can choose between 12 and 24 hours, and for distance you can choose between kilometres and miles.



3.10 Time

In the Time settings window you can set the valid time zone for your location. **This setting is important in order for your navigation device to calculate and display the expected times of arrival correctly.**

You can now choose whether your navigation device should set the time zone automatically by setting the checkmark. In the other case, you can manually set by pressing the arrow buttons ▲ and ▼ by how many hours and minutes your location varies - above or below - from the reference time GMT (Greenwich Mean Time).

3.11 Reset

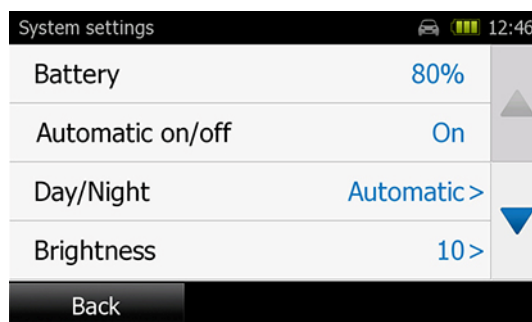
After pressing the **Reset** button, you will be asked whether you want to reset your navigation settings to the factory settings. Then press the "Yes" or "No" button. The data of the quick search function, saved routes, blocked roads, the set voice and home address will remain unaffected by this.

4 System settings



In the system settings you can customise various basic functions of the navigation device to meet your needs, such as the battery indicator, brightness of the display or tones.

To do this, select in System settings the corresponding menu subitem. The functionality of the buttons is different depending on the selection and is described in detail below. By pressing the buttons ▲ and ▼ you can scroll through the list and select the desired menu subitems.



4.1 Battery

Your navigation device can be powered by an external power supply or by the integrated battery. By pressing the **Battery** button you can display the exact charging status of the battery by means of a level indicator. If the power level drops below 20 %, a low charging status is indicated. The charging process is indicated in the display by a lightning symbol.

Note: The current charging status is important particularly in battery mode. If too little power is available, the navigation can no longer be maintained until arrival at the destination, for example.

Also see the subitem Battery in the chapter entitled Navigation screen, page 16 ff.

4.2 Automatic on/off

By pressing the button **Automatic on/off** the navigation device can switch to Sleep Mode automatically when the vehicle's ignition is switched off. The requirements for this:

- The navigation device is connected to the vehicle's cigarette lighter.
- The cigarette lighter is currentless after switching off the ignition.
- The appropriate function is activated on the navigation device.

4.3 Day/Night

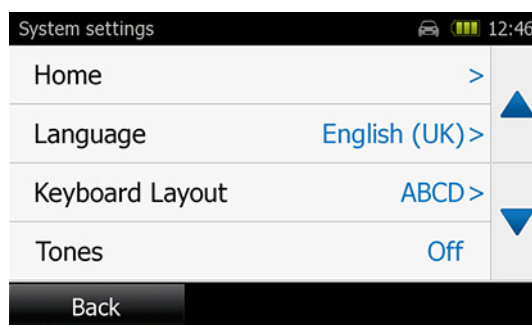
If you select the menu item **Day/Night**, you can set the display of the navigation device to day display, night display or automatic. If Automatic is set, the navigation device switches automatically between day and night display regardless of the current position, time or time of year.

4.4 Brightness

In the menu item **Brightness** you can set the desired brightness of the display for the day and night mode separately by pressing the buttons ▲ and ▼ respectively.

4.5 Home

Using the option **Home**, you can change your home address that you entered at the initial start. You can either enter your home address completely anew or retrieve it from other sources (Last destinations, My favourites, Points of interest etc.).



4.6 Language

Press **Language** to display the texts in the touch screen in the desired language. Confirm your selection by pressing **OK**.

4.7 Keyboard Layout

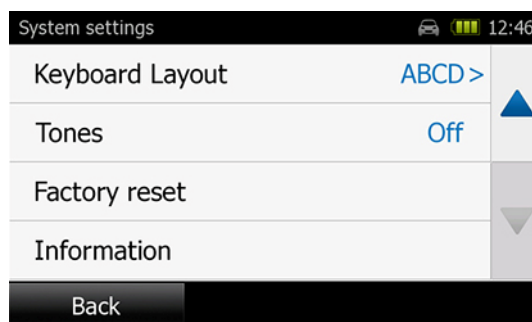
You can switch the sequence of the keyboard layout by selecting the corresponding key in the menu item **Keyboard Layout**.

4.8 Tones

You can switch the signal tones of the navigation device on/off by pressing the **Tones** button. This also includes the clicking of the screen buttons.

4.9 Factory reset

You can reset your navigation device to the **factory setting**. If you confirm with "yes", the following changed data will be deleted: saved destinations, saved routes, the home address and telephone data.



4.10 Information

Under the menu item **Information** you can find data relating to the software and navigation device, such as the serial number.

4.11 Calibration (model dependent)

If the touch screen does not respond correctly when you press on the buttons, you will have to calibrate the screen. To do this, press on the **Calibration** button. The calibration procedure will start. You are guided through the procedure by means of text instructions.

5 Travel Guide (model dependent)



Your Falk Navigator is supplied with an integrated multimedia Travel Guide with which you can discover romantic places, cosy cafes, the finest delicatessens and everything else a town or city has to offer. Besides information in numerous theme categories, you also have highlights as well as insider tips from the MARCO POLO Travel Guides at your disposal. This will ensure that your city break becomes an unforgettable experience.

With preinstalled, extensive MARCO POLO travel guide content covering hundreds of cities and hundreds of thousands of POIs (**P**oint of Interest), partially with explanatory texts and images, the travel guide not only supplements your navigation device as the perfect travelling companion, but also provides valuable information on exceptional attractions.

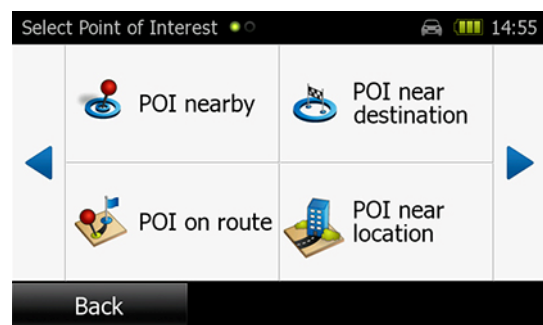
The following chapters describe how you can search specifically in the Travel Guide for tourist destinations, add, assess and exchange new destinations and thus obtain the desired travel information for your destination.

5.1 Establishing a central search point

Firstly, you have to establish a central search point. In the following chapters, the structure of the Travel Guide has been described so that you can search for specific tourist destinations or simply browse and find out more precise information about tourist attractions depending on your interest.

You can restrict or establish the area of the central search point in which the travel guide should suggest destinations according to the following criteria:

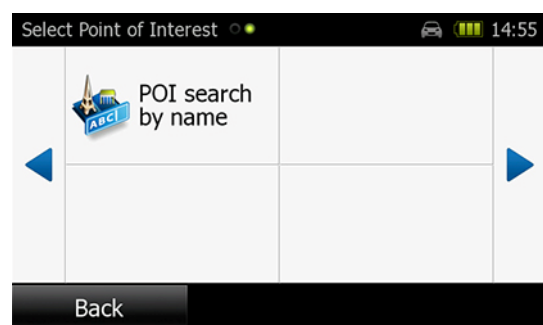
- **Point of interest nearby** (current location)
- **Point of interest near destination**
- **Point of interest on route**
- **Point of interest location**
- **Enter the point of interest directly**



If the **point of interest in the area** that you are searching for is at your current location or if you are searching for a tourist destination at your current location, it is important that the navigation system has noted your current GPS position. If this is not the case, the last GPS position received will be used.

If you want to create a travel guide for a specific **address (current destination)** or a **town centre** (for example, Hamburger harbour), select **Point of interest search by name** and then type in the address or city name using the keyboard.

After establishing the central search point, the screen then switches to a view of all available **theme categories**.



5.2 Travel Guide Theme Category

The destinations in the Travel Guide (POI's) are sorted by themes. Each theme is marked by an icon. Thus, you can see what content lies behind each theme at a glance.

All or just some of the theme categories will be available to you depending on the central search point specified. If a central search point is in a large city, like Berlin for example, you will find destinations and additional information in all theme categories for certain. Search centres in smaller locations or rural areas only display the theme categories for which travel guide destinations are available. If no destinations are available for a theme category, this category is not displayed on the screen.

You select a theme category by tapping on the appropriate icons.

Importance icon

Theme icons:

Marco Polo Insider Tips



Food and Drink



Highlights



Overnight Accommodation



Museums



In the Evening



Shopping



Attractions



Art & Culture

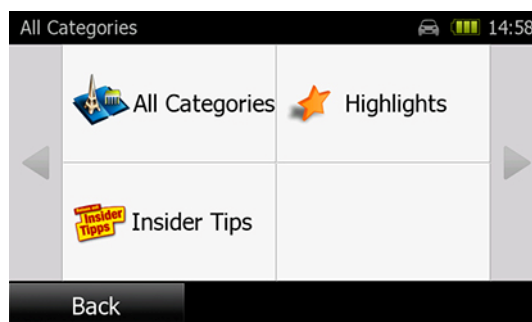


Exhibition centres & Transport



5.2.1 Highlights

If you filter your destinations or POIs of a theme category such as Shopping according to **Highlights**, you will never miss the most important attractions of your central search point again (for example point of interest near destination). You should definitely not miss the Highlights. Particularly if you spend just a short time in your central search point, it is possible to see all the most important attractions at a glance.



All destinations available for your central search point are arranged in a list, sorted by distance. Destinations with the shortest distance to the central search point appear at the very top of the list.

Note: The distances in the POI list indicate the distance to the destination as the crow flies. The exact distance to be covered is not determined until the route is calculated.

Note: The Highlights category contains destinations covering a variety of topics that can be found in other theme categories as well.



Detailed view

If you tap on the list entry, additional information on this destination will appear, such as the address for example. You can obtain even more detailed information about the location by pressing the icon .

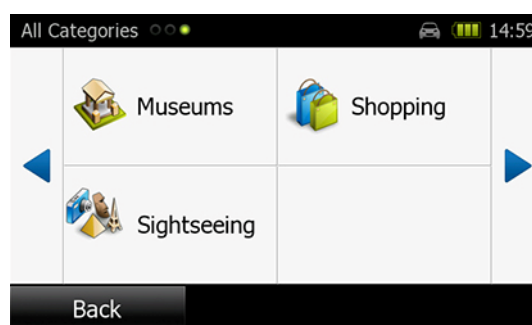
For further information on the **detailed view** of a list entry, see chapter 5.3.

5.2.2 Worth seeing

In the theme selection, select the button **Sightseeing**. A window displaying further subcategories will appear.

You can now either search for all sites worth seeing, just select the **Highlights** or just display the **Insider Tips** of the **MARCO POLO** editorial staff.

If no MARCO POLO Insider Tips are available for your central search point, for example, the Insider Tips category will not be displayed.



Depending on the subcategory selected, available entries are arranged in a **list**. The list entries are sorted by distance beginning with the shortest distance to the current central search point.

Note: The distances in the POI list indicate the distance to the destination as the crow flies. The exact distance to be covered is not determined until the route is calculated.

5.2.3 Museums

In the theme selection, select the button **Museums**. A window displaying further subcategories will appear.

You can now either search for **all Museums**, just select the **Highlights** on the theme or just display the **Insider Tips**.

If no MARCO POLO Insider Tips are available for your central search point, for example, then the Insider Tips category will not be displayed on the screen.



Depending on the category selected, available entries are arranged in a corresponding **list**. The list entries are sorted by distance, beginning with the shortest distance to the current central search point.

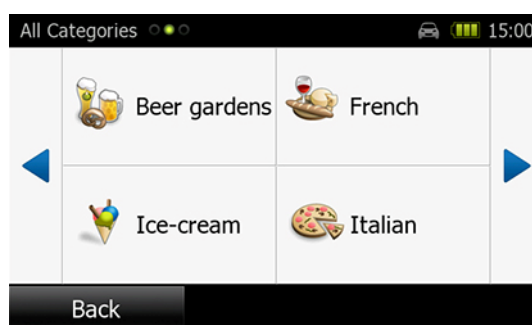
Note: The distances in the POI list indicate the distance to the destination as the crow flies. The exact distance to be covered is not determined until the route is calculated.

5.2.4 Food and Drink

In the theme selection, select the button **Food and Drink**.

The Food and Drink theme is subdivided into additional categories. For example, you have the option of searching for particular **restaurants** which serve a specific **style of cuisine**.

A screen showing additional subcategories will be displayed, which you can select by tapping on them. The following categories are available: **All categories, Highlights, Insider Tips, Beer Gardens, Bistros, Ice-Cream Parlours, Snack Bars, Asian, French, Italian, Regional, Seafood and Other**.

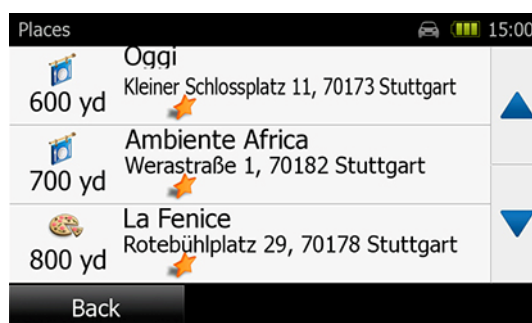


If destinations in all subcategories are available, these will be displayed, spread over three pages. You can move on to the next page by tapping the blue arrow.

If your search is centred on a smaller location or rural area, destinations may not be available in all subcategories. The corresponding subcategories will not then be displayed on the screen.

After selecting a category, you will be provided with a **list** showing the destinations which were found within that category. You can move through the entries in the list using the arrow keys. The list is initially sorted by distance. This means that destinations which are closest to the central search point appear first in the list.

Note: The distances in the POI list indicate the distance to the destination as the crow flies. The exact distance to be covered is not determined until the route is calculated.



5.2.5 Shopping

The **Shopping** theme is subdivided into additional categories. For example, you have the option of searching for specific **delicatessens** or **clothes shops**.

In the theme selection, select the button **Shopping**. A screen showing additional subcategories will then be displayed, which you can select by tapping on them.

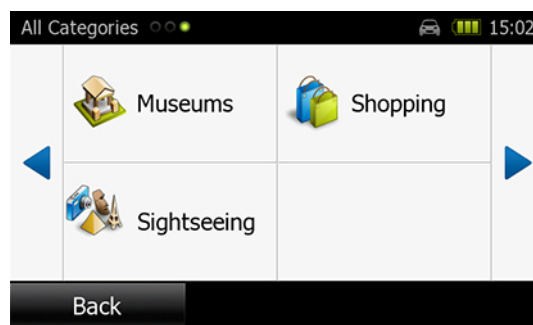
The following categories are available: **All categories, Highlights, Insider Tips, Antiques, Books & Music, Delicatessens, Chain Stores, Department Stores, Art Galleries, Markets & Flea Markets, Fashion, Jewellery, Shoes** and **Other**.

If destinations in all subcategories are available, these will be displayed, spread over three pages. You can move on to the next page by tapping the blue arrow.

If your search is centred on a smaller location or rural area, destinations may not be available in all subcategories. The corresponding subcategories will not then be displayed on the screen.

After selecting a category, you will be provided with a **list** showing the destinations which were found within that category. You can move through the entries in the list using the arrow keys. The list is initially sorted by distance. This means that destinations which are closest to the central search point appear first in the list.

Note: The distances in the POI list indicate the distance to the destination as the crow flies. The exact distance to be covered is not determined until the route is calculated.



5.2.6 Overnight Accommodation

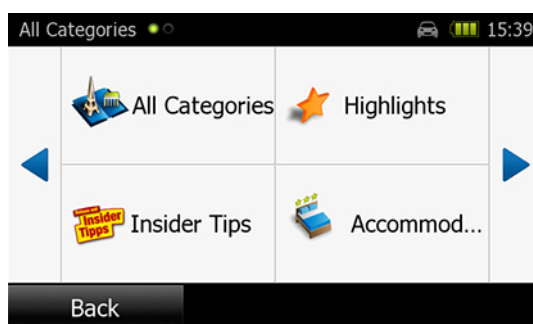
The **Accommodation** topic is subdivided into additional categories. You can search for **Highlights** or particular **Insider Tips**.

In the theme selection, select the button **Overnight accommodation**. A screen showing additional subcategories will then be displayed, which you can select by tapping on them.

The following categories are available: **All categories, Highlights, Insider Tips, Accommodation** and **Wellness**.

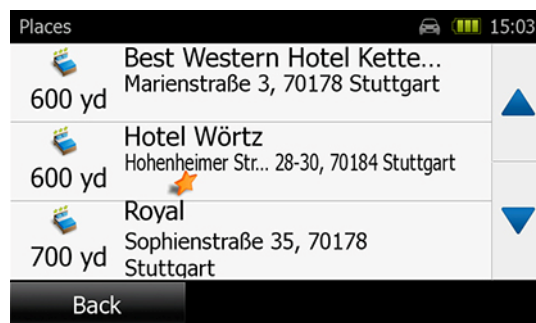
If destinations in all subcategories are available, these will be displayed, spread over two pages. You can move on to the next page by tapping the blue arrow.

If your search is centred on a smaller location or rural area, destinations may not be available in all subcategories. The corresponding subcategories will not then be displayed on the screen.



After selecting a category, you will be provided with a **list** showing the destinations which were found within that category. You can move through the entries in the list using the arrow keys. The list is initially sorted by distance. This means that destinations which are closest to the central search point appear first in the list.

Note: The distances in the POI list indicate the distance to the destination as the crow flies. The exact distance to be covered is not determined until the route is calculated.



5.2.7 In the Evening



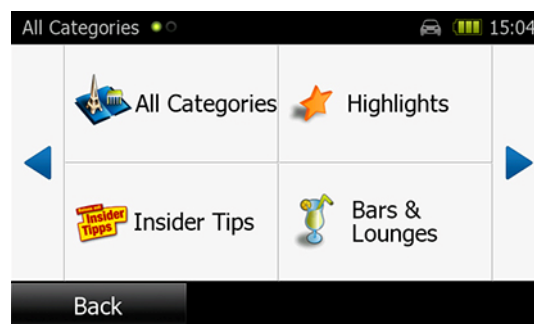
The **In the evening** theme is subdivided into additional categories. For example, you have the option of searching for specific bars, clubs or pubs.

In the theme selection, select the button **In the Evening**. A screen showing additional subcategories will then be displayed, which you can select by tapping on them.

The following categories are available: **All categories, Highlights, Insider Tips, Bars & Lounges, Cafés, Casinos, Clubs & Discos and Pubs.**

If destinations in all subcategories are available, these will be displayed, spread over three pages. You can move on to the next page by tapping the blue arrow.

If your search is centred on a smaller location or rural area, destinations may not be available in all subcategories. The corresponding subcategories will not then be displayed on the screen.



After selecting a category, you will be provided with a **list** showing the destinations which were found within that category. You can move through the entries in the list using the arrow keys. The list is initially sorted by distance. This means that destinations which are closest to the central search point appear first in the list.

Note: The distances in the POI list indicate the distance to the destination as the crow flies. The exact distance to be covered is not determined until the route is calculated.



5.2.8 Exhibitions & Transport



The **Exhibitions & Transport** theme is subdivided into additional categories. For example, you have the option of searching for specific **railway stations** or **airports**.

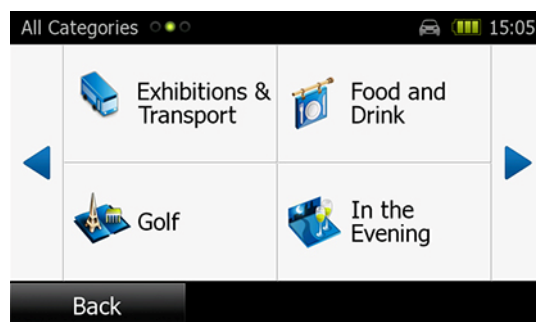
In the theme selection, select the button **Exhibitions & Transport**. A screen showing additional subcategories will then be displayed.

The following categories are available: **All categories**, **Railway Stations**, **Airports** and **Exhibition Centres**.

If your search is centred on a smaller location or rural area, destinations may not be available in all subcategories. The corresponding subcategories will not then be displayed on the screen.

After selecting a category, you will be provided with a **list** showing destinations which were found within that category. You can move through the entries in the list using the arrow keys and tap on the individual entries to find out more details such as the address. The list is initially sorted by distance. This means that destinations which are closest to the central search point appear first in the list.

Note: The distances in the POI list indicate the distance to the destination as the crow flies. The exact distance to be covered is not determined until the route is calculated.



5.2.9 Art & Culture



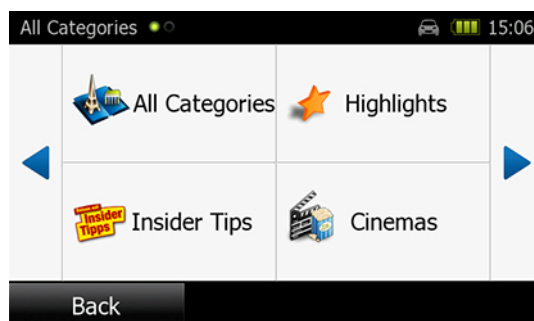
The **Art & Culture** theme is subdivided into additional categories. For example, you have the option of searching for specific **cinemas** or **theatres**.

Select the Art & Culture button in the theme selection. A screen showing additional subcategories will then be displayed, which you can select by tapping on them. The following categories are available: **All categories**, **Highlights**, **Insider Tips**, **Cinemas** and **Theatre & Opera**.

If your search is centred on a smaller location or rural area, destinations may not be available in all subcategories. The corresponding subcategories will not then be displayed on the screen.

After selecting a category, you will be provided with a **list** showing the destinations which were found within that category. You can move through the entries in the list using the arrow keys. The list is initially sorted by distance. This means that destinations which are closest to the central search point appear first in the list.

Note: The distances in the POI list indicate the distance to the destination as the crow flies. The exact distance to be covered is not determined until the route is calculated.



5.2.9 Cultural Centres



The **Cultural Centre** theme is subdivided into additional categories. You can search for **Highlights** or particular **Insider Tips**.

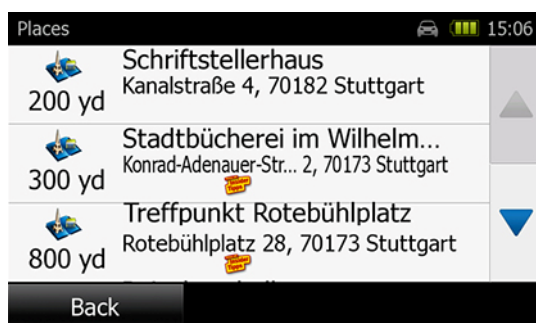
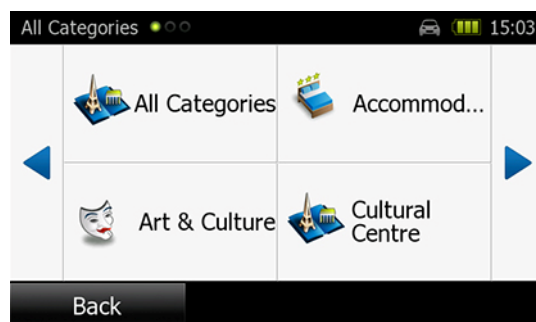
Select the Cultural Centre button in the theme selection. A screen showing additional subcategories will then be displayed, which you can select by tapping on them.

The following categories are available: **All categories**, **Highlights** and **Insider Tips**.

If your search is centred on a smaller location or rural area, destinations may not be available in all subcategories. The corresponding subcategories will not then be displayed on the screen.

After selecting a category, you will be provided with a **list** showing the destinations which were found within that category. You can move through the entries in the list using the arrow keys. The list is initially sorted by distance. This means that destinations which are closest to the central search point appear first in the list.

Note: The distances in the POI list indicate the distance to the destination as the crow flies. The exact distance to be covered is not determined until the route is calculated.



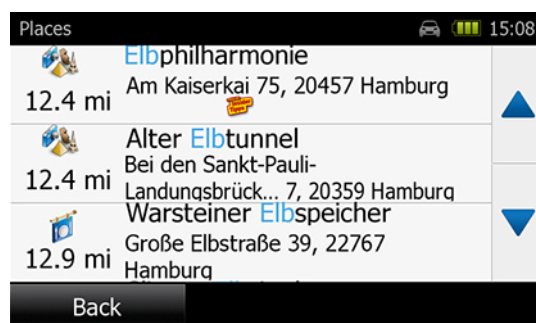
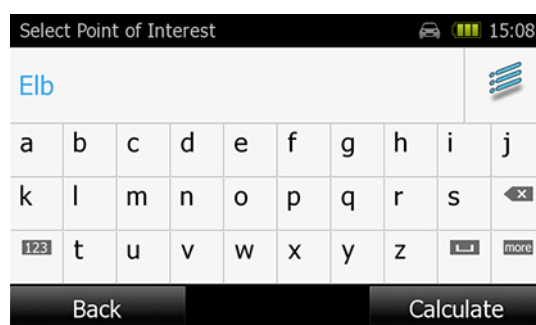
5.2.10 All Categories



The **All Categories** button allows you to search for a point of interest according to term or name in the selected central search point. You can enter just a part of word as well, as for example "Elb", and you will then get several suggestions, such as Elbphilharmonie, Alter Elbtunnel, Elbbrücken-Hotel etc.

All available categories or destinations are displayed in a **list**. You can move through the entries in the list using the arrow keys. The list is initially sorted by distance. This means that destinations which are closest to the central search point appear first in the list.

Note: The distances in the POI list indicate the distance to the destination as the crow flies. The exact distance to be covered is not determined until the route is calculated.



5.3 Detailed view of a point of interest

What could be better than to find out about travel destinations in advance and then to experience everything an unfamiliar town or city has to offer?

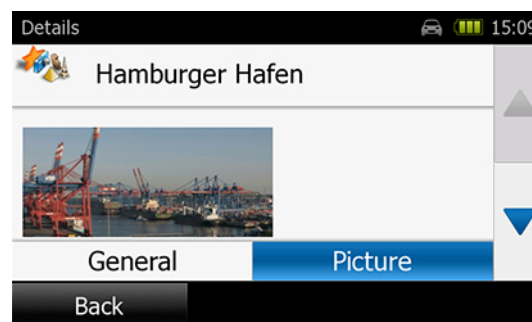
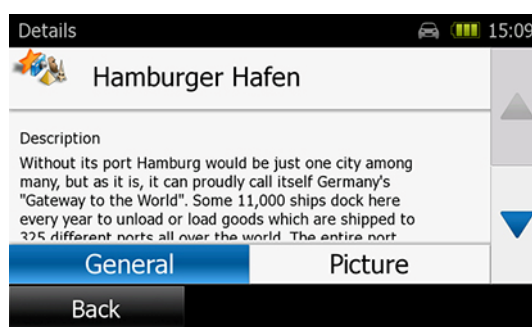
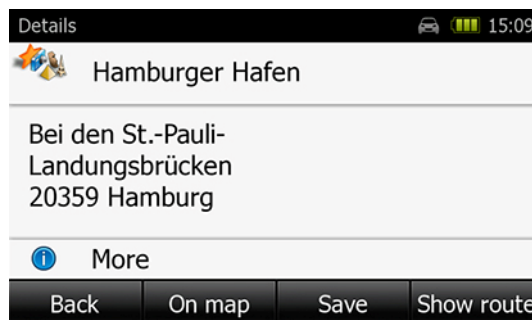
If you have already selected one or more point of interest categories from a Travel Guide compilation or point of interest search, would you now like to view individual entries in the list in greater detail?

To do this, tap on a **list entry**. A window with basic information about the point of interest will now appear (usually address and telephone number). Some entries also have extensive descriptions and/or images. The **Highlights** in particular encompass extensive description texts taken from the **MARCO POLO** Travel Guides (only in German). You can access the detailed descriptions by pressing the icon  **More**.

The detailed view provides you with an overview of all information available to the point of interest selected – besides a detailed description and background information, this can also be images.

In the POI detailed view the functions listed below are available via tabs:

- **Back** – you return to the list.
- **On map** – shows you the location of the point of interest on the map.
- **Save** – allows you to save the point of interest under the most recent destination.
- **Show route** – allows navigation to the destination as an interim destination, a new destination to be added or alternative destination.



Note: Not all functions and information described here are available for every point of interest. If an option is not available, the corresponding button is not active or is not displayed on the screen.

6 Appendix

6.1 Glossary

Auto-memory function

The device remembers your previous entries and makes them available again quickly and easily where required. This reduces the time you require to enter the destination by up to 80%.

Button

The main menu as well as the settings menu consist of buttons. A button can be understood to mean the icons on the screen with which you can operate the menu of the Falk Navigator. The graphic icons are always explained in more detail by a text as well.

Buttons: Buttons are the fields mostly used for entering destinations. Symbols are only used in rare cases, but text fields such as the buttons Back, Map or Postal code are used instead

Screen: A screen can be understood to mean the displayed screen of the Falk Navigator.
Screen = display

Online Community

The Internet Community 123poi.com offers you the possibility to create your own favourite places in the Internet with name, address and description text. Furthermore, you can add images of a favourite place and provide them with your personal assessment. All users of the Online Community can write a comment about a favourite place or make an assessment in the form of 5 stars. An average is derived and displayed from all assessments.

Favourite places including all information can be synchronised with the navigation device easily and conveniently using the Falk Navi-Manager. As a result, all information from the Internet Community is available as a POI on your navigation device. The data can be integrated there in the Travel Guide or used for various search functions as well.

GPS

The Global Positioning System is a satellite-based system for global positioning. The standard GPS satellite system can be used to determine your location at any time – assuming that a GPS signal can be received – and is accurate within 15 metres or less.

POI

Points of Interest are special destinations such as restaurants, hotels, museums, petrol stations, and much more. The associated destination addresses are already stored in the Falk Navigator. Instead of entering an address, this means you can also search for POIs in a wide range of different categories from the Point of Interest search or Travel Guide.

Look-ahead function

The look-ahead function is an automatic word recognition function which predicts and analyses the information as you enter an address and masks out letters which are no longer possible. The Falk Navigator continuously searches for possible combinations of letters and, accordingly, only shows you the fields which can complete the entry of a place name or street name. At the same time, you will see the search results displayed in a list.

SD memory card

The Secure Digital memory card is a digital storage medium for storing music or audio book titles as well as additional maps, POIs, cities and tours. Your Falk navigation device is capable of reading SD memory cards with a storage volume of up to 32 GB (gigabytes).

TMC

Traffic Message Channel is a digital data service for transmitting information regarding traffic problems to a suitable receiver. Sources for the traffic information include the police, ADAC roadside assistance, and other organisations providing traffic jam alerts. TMC depends on the reception of a suitable radio station which transmits the TMC traffic reports encoded with the radio signal. The Falk Navigator is able to decipher these signals and incorporate them during navigation in order to propose a suitable alternative route if there is a severe traffic problem. Please note that you require a navigation device with a TMC receiver in order to be able to receive TMC traffic messages.

NAVTEQ Traffic

NAVTEQ Traffic is a premium data service, which in contrast to conventional TMC, provides you with even higher quality traffic data. NAVTEQ Traffic utilises exclusive data from an automated sensor network via the message range of public TMC sources. Information is assessed from data sensors on highway bridges, sensor loops in traffic lanes and from vehicles, which transmit traffic data on the traffic flow automatically.

Travel Guide

The Travel Guide is the multimedia electronic city guide in your Falk Navigator. With it you can discover romantic places, cosy cafes, the finest delicatessens and everything else a town or city has to offer.

It goes without saying that our Travel Guide is based on the customary expertise of our travel guide editorial staff. In addition to information in numerous theme categories, you also have highlights as well as insider tips from the MARCO POLO Travel Guides in text, image and sound at your disposal. Our authors carry out constant research in order to provide you with Insider Tips. These allow you to experience extraordinary attractions that not everyone knows about. Alternatively, you can visit the Top Highlights that should certainly not be missed under any circumstances. For each of the Top Highlights, you can read the original Marco Polo texts (available in German only) to ensure that you are well prepared for your visit.

The Falk Travel Guide is not just a travel guide that proposes travel destinations.

You have ever wondered how you can recommend your favourite café to thousands of people? The world's first learning Travel Guide makes this and so much more possible.

The Travel Guide also offers you the possibility of assessing your favourite places directly on your navigation device.

6.2 Troubleshooting

Problem	Possible cause	Solution
Navigation device does not start	Battery capacity is too low.	Connect the device to a suitable power source. The device should then start automatically after a few minutes. A charging process can take up to 4 hours. Please switch off the device when not using it for longer periods of time.
	Reset button:	Should your device no longer respond or can no longer be operated, press the Reset button using a thin object, e.g. a pencil. The device will then restart and can be operated again.
No GPS reception / GPS reception is interrupted	GPS reception can be interrupted due to vapour-coated windscreens, narrow thoroughfares between buildings, thick clouds etc.	Reposition your navigation device if necessary. At least 4 satellites are needed for a navigation.
	When switched off completely, all GPS settings are reset.	GPS-Fix, when stationary and in the open air, can take up to 30 minutes in exceptional cases.
No TMC- / NAVTEQ Traffic-reception	The device is not equipped with the function NAVTEQ Traffic.	This can be purchased additionally in our Online Shop.
	No TMC / NAVTEQ Traffic messages available. Poor coverage area.	TMC / NAVTEQ Traffic is supplied by radio stations and NAVTEQ Traffic providers. We recommend that you attach the TMC antenna integrated in the recharger cable to the windscreen in order to improve reception.
	Car charger cable with integrated TMC antenna is not plugged in correctly and TMC antenna not routed on the windscreen.	Check whether the cable on the navigation device is plugged in correctly and completely. Fasten the TMC antenna to the windscreen.

It is not possible to enter the searched destination	The country map is not available.	Please check whether the appropriate detailed map is included in the scope of delivery.
	Location / street / house number are not stored in the map material.	Select an adjacent town / street / house number in the input mask. Alternatively, the arrival point can be set manually in the "Map" view. Despite the most up-to-date map versions, there are still areas which are not covered. You can obtain information about map coverage on our Service & Support pages in the Internet.
Speed warning does not work / is not displayed permanently	Speed warning has been deactivated.	Activate function in the menu. (see chap. 3.7.1)
	No speed warning saved.	Speed warnings like map data must be recorded manually and are not 100% available.
Speed camera detector not present / does not work	Speed camera detector is not installed.	The speed camera detector can be purchased in the Falk Online Shop.
	The speed camera detector is deactivated in the navigation menu.	Activate the speed camera detector (see chap. 3.7.2)

6.3 Licence terms and conditions for Falk Navigator and Navi Manager

§ 1

Subject matter of the contract

1. The Licensor is the United Navigation GmbH, Marco-Polo-Zentrum, 73760 Ostfildern - referred to hereinafter as the "Licensor". In accordance with § 6, the Licensor grants the Licensee, for the duration of the contract, a single (nonexclusive) right which is restricted in accordance with the terms and conditions below to use the enclosed software program which is stored on a data carrier in machine-readable form (object code) – referred to hereinafter as the "software" – including the data which is contained and the accompanying material. Accompanying material in this context is taken to mean the program description and operating instructions.

2. An acquisition of rights to the software which goes beyond this is not associated with this granting of usage rights. The Licensor shall retain in particular all of the distribution, exhibition, presentation, performance and publication rights to the software. The same applies to the editing and reproduction rights, unless anything to the contrary is expressly agreed below.

§ 2

Scope of the usage rights

1. The granting of the licence entitles the Licensee to install and run the software and to use the data at one workstation (stand-alone application). Furthermore, the Licensee may use the installation program provided by the software to install the software on a portable Windows CE device (stand-alone application) which is sold by the Licensor. Use of the software and the data on a network or a system comprising multiple workstations shall only be permitted if the Licensee has purchased a special licence for every workstation on which the software and data may be used. The software and data may not be used by employing remote data transmission.

2. The granting of the licence only permits private use of the software; commercial use is prohibited.

3. The usage right is confined to the object code of the software program. The Licensee has no entitlement to a copy of the source code. The Licensee is prohibited – unless it is for the purpose of establishing interoperability pursuant to § 69e of the German Copyright Act – from reengineering (reverse engineering), reassembling, translating or editing, or amending in some other way the object code of the software. In particular, the software and data and the results achieved by using them may not be used to create a dedicated product for the Licensee.

4. Any type of reproduction of the accompanying material, data carriers, software and data, in particular copying to data carriers, and the provision of it for remote data transfer and/or transmission by remote data transfer is prohibited. Exceptions to this are the one-off installation of the software from the data carriers which are supplied with it to the hard disk, the inevitable non-permanent copies made as a result of the use pursuant to § 2 paragraph 1, and the downloading or printing out of data from the application which is running exclusively for personal use. "One-off installation" shall also be authorised if the software has been deleted beforehand irreversibly and in full from the computer on which it was installed and it is only then subsequently reinstalled on the same computer or on a different computer.

5. Another exception to the prohibition on reproduction is the creation of a back-up copy, where this is necessary to safeguard future use of the software exclusively for personal use as assumed by the contract. This copy must be explicitly identified as a back-up copy and may only be used as such. It must remain in the possession of and be kept safe by the Licensee.

§ 3

Transferring

1. The Licensee is prohibited from hiring out the software, data and/or the accompanying material to third parties as part of commercial activities.

2. The Licensee is prohibited from making the software, data and/or the accompanying material accessible to third parties as part of commercial or non- commercial activities, circulating it and/or passing it on to the public.

3. The Licensee shall, however, be entitled to transfer the original data carriers including the software, data and the accompanying material if

a) he has deleted the installed software and all possible pools of data which may have been saved and any back-up copies which may have been made,

b) the third party pledges in writing to the Licensors directly that he will abide by these licence terms and conditions,

c) this written declaration of consent is sent to the Licensor and

d) the Licensee has handed over the software, data and the accompanying material in full to the recipient without retaining any copies whatsoever.

§ 4

Warranty

1. The Licensee must report obvious defects within an appropriate set period of time and in writing with a precise description of the defect. Defects must be reported – at the discretion of the Licensee – exclusively to one of the Licensors mentioned above. Reports of obvious defects which are delayed or unsubstantiated shall release the Licensor from his obligations to provide a service to correct the defects. However, in the event that the Licensor becomes involved with unsubstantiated reports of defects which are raised through gross negligence or deliberately, he shall be entitled to invoice the Licensee for the costs associated with this. In the event that the Licensee is a trader, he must, above and beyond his obligation arising from sentence 1, examine the items delivered and services provided by the Licensors immediately and report any defects found immediately in writing and with as precise a description of the defect as possible.

2. The Licensor guarantees that the program functions can be executed without any errors in accordance with the program specifications and contract documents. Errors which only result in a negligible reduction in the usability of the software shall not entitle the Licensee to reduce the amount paid for the granting of the usage rights to the subject matter of the contract or to withdraw from the contract.

3. Beyond the claims under the warranty, the Licensee has no claim against the Licensor for updates to the software and/or data.

4. The Licensor shall fulfil his warranty obligations in the event of material defects by providing a subsequent service, specifically at his discretion by correcting the defect or supplying a replacement product. A subsequent service may be performed in particular by a new version of the program being handed over or by the Licensor indicating possible ways of preventing the effects of the defect. A new version of the program must be accepted by the customer if this results in an acceptable level of adjustment for it. If the subsequent service provided fails to work, if the Licensor is late in providing it, refuses to do so or if the subsequent service is unacceptable to the Licensee in an individual instance, the Licensee shall be entitled, at his discretion, to withdraw from the contract or to demand a reduction in price. Claims for compensation are governed by § 5.

5. If, by way of exception, the Licensor has promised or demonstrated characteristic features of the software, the data, the accompanying material or the data carriers expressly or in demonstrating the characteristic feature in his own advertising or has fraudulently failed to disclose defects in these items, paragraphs 2 and 4 above shall not apply. In this case, § 5 paragraph 1 a) shall apply accordingly.

6. A warranty on the part of the Licensor shall not exist in cases of functional impairments which result from the hardware and software environment provided by the Licensee, incorrect operation, incorrect, improper commissioning, use and/or treatment of the subject matter of the contract by the Licensee, external defective data or other reasons which stem from the Licensee's area of risk, as well as from improper maintenance, alterations and/or inappropriate repairs made by the Licensee or third parties and also from natural wear and tear, unless the Licensee is able to demonstrate that the defect is independent of this.

§ 5

Liability

1. The Licensor shall pay compensation or refund wasted expenditure, no matter what the legal ground for this is, only to the following extent:

a) if the Licensor, his legal representatives or vicarious agents have acted with deliberate intent and if a guarantee has been provided in full in respect of the agreed quality;

b) if the Licensor, his legal representatives or vicarious agents have acted with gross negligence with respect to the level of the predictable loss which is typical for the contract and should be prevented by the duty to exercise due care;

c) in other cases only when a substantial contractual obligation is breached and when there is a delay, specifically for reimbursement of the typical and predictable loss.

2. Statutory liability in the event of culpable loss of life, physical injury or damage to health and in accordance with the German Product Liability Act shall remain unaffected.

3. The Licensor shall be at liberty to claim contributory negligence.

4. If any data is lost, the Licensor shall only be liable for losses which would have occurred even if the Licensee had backed up his data properly.

§ 6

Term of the contract

1. The contract shall run for an indefinite period of time.

2. The Licensor is entitled to withdraw permission to use the software for a good reason at any time. A good reason shall be deemed to exist in particular if the Licensee fails to comply with the restrictions on use stipulated in § 2 or breaches the terms and conditions for passing on the software laid out in § 3 and does not stop this behaviour immediately even after receiving a written warning with a threat of withdrawal.

3. If permission to use the software is withdrawn, the Licensee must destroy the original data carriers and any copies which exist and delete any data and software which is stored completely and irreversibly. He must provide the Licensor with a written assurance that the items have been completely destroyed and deleted.

§ 7

Statute of limitations

The Licensee's claims on account of defects shall become statute-barred within one year. If the objects of the contract are new moveable assets and the Licensee is a consumer, all claims shall only become statute-barred after 24 months. The statutory regulations shall apply to instances of premeditated or fraudulent behaviour, if there is personal injury or in the case of claims under the German Product Liability Act. The start of the period of limitation shall be governed by the statutory regulations.

§ 8

Final provisions

The agreement reached here shall be governed by the law of the Federal Republic of Germany to the exclusion of the UN Convention on Contracts for the International Sale of Goods. The place of performance for all obligations arising there from shall be Esslingen (Germany). The parties agree that Esslingen (Germany) shall be the place of jurisdiction for all disputes arising from this license agreement if the Licensee is a trader or is of equal standing to a trader or if his registered office or branch office is abroad.

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7 Index

Alternative routes	24	NAVTEQ Traffic.....	18, 55, 56
Battery	17	<i>Online Community</i>	54
Car charger cable.....	12, 56	Operational environment.....	7
Card data.....	13	Points of interest.....	25, 26, 45, 46, 47, 48, 49, 50, 51, 52, 54
Copyright	61, 62	Quick-access menu	19
Disposal.....	8	Route options	24, 31, 38, 39
Entering a destination.....	25, 29, 31	Route planner.....	28
Falk Navi-Manager	54	Route ticker	18
Favourite places	54, 55	Safety	6
Geo-coordinates.....	34	SD card	12, 13
GPS.....	7, 21, 34, 45, 54	Settings	16, 25, 39
Lane assistant	19	Speed camera detector	57
Main Menu.....	16, 19, 21, 29, 33	Speed warning	17
Micro USB port.....	12	Storage capacity.....	12
Mounting bracket.....	6	TMC Reception	18
My destinations	29	Volume	19
Navigation.....	12, 13, 16, 18, 21, 24, 29, 31, 34, 39, 55	Warranty.....	59, 60, 62